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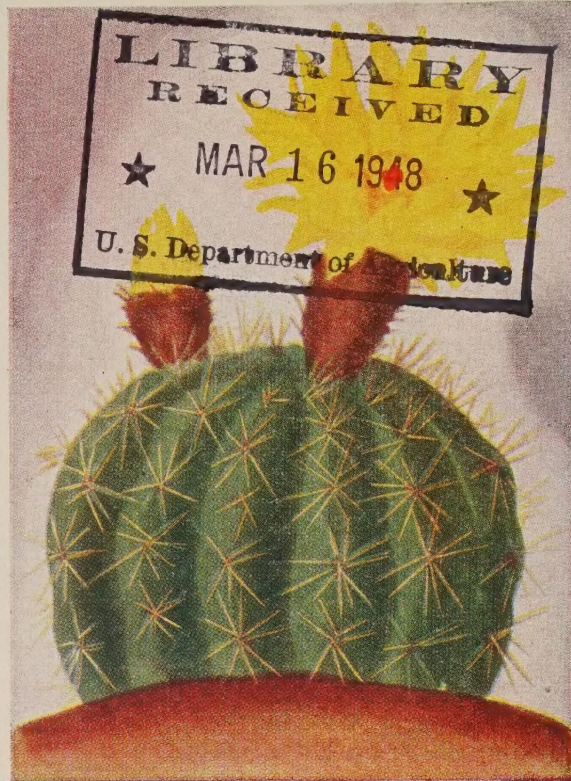
**STRAWBERRY CACTUS**  
*Hamatocactus setispinus*

A patch of these is never without flowers in the summer! They blossom freely over a long period. *Hamatocactus setispinus* is a great favorite with all, growing freely. **Mature specimens,** 2½-3½ in., 35c; 5-6 in., 50c; nice..... **25c**



**HEDGE HOG CEREUS**  
*Echinocereus pentaloophus*

A particularly beautiful cactus with 4-inch richly colored flowers and short, finger-like stems branching from base. The flowers are far larger and brighter than the illustration shows. **Large clusters,** 50c and 35c; nice plants..... **25c**



**INDIAN HEAD**  
*Notocactus Ottonis*

A charming small plant with bright yellow flowers, fat green body and harmless russet spines. Grows very easily, preferring a sunny position. It blooms for many months. **Nice 3-year blooming plants,** 50c; smaller, 35c and..... **25c**

# TREASURE TROVE from CACTUS LAND

PRICE 25 CENTS

This catalog is a complete handbook of Cactus and Succulent lore describing the largest available collection in the world together with descriptions and notes of interest of the various genera and species with copious cultural directions.

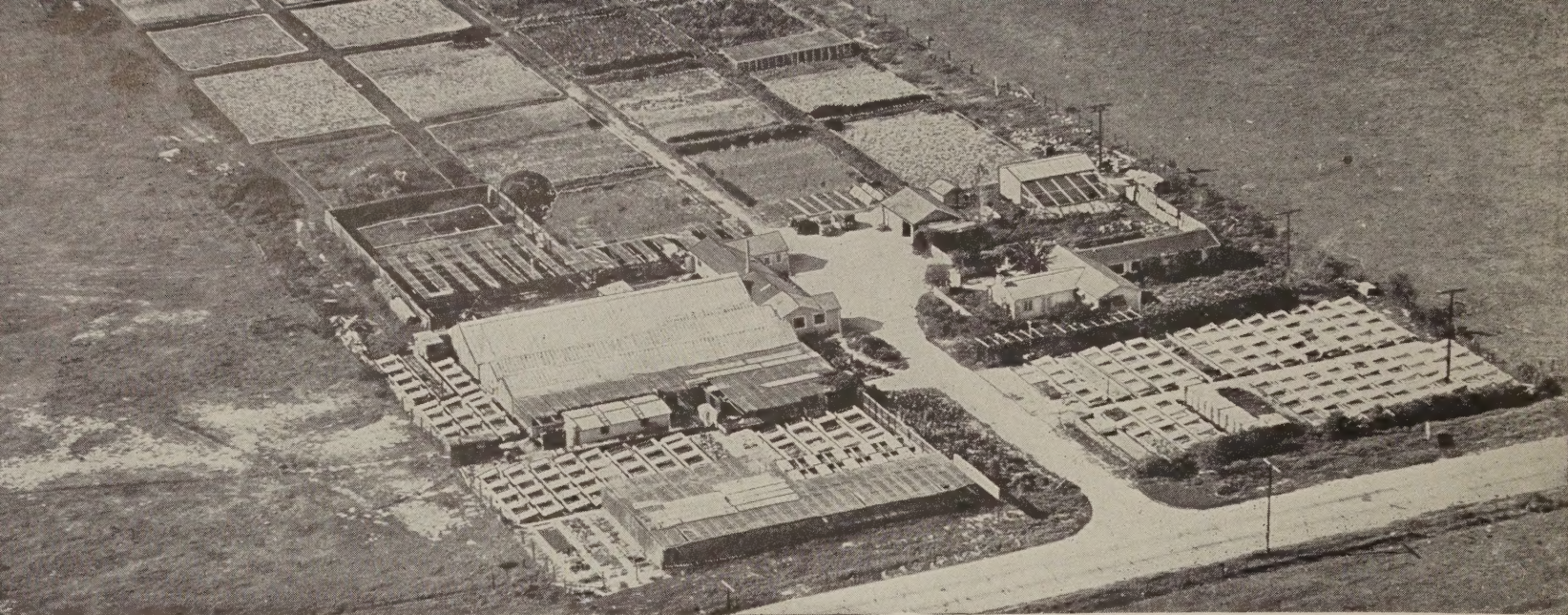
## 1948

# JOHNSON CACTUS GARDENS

LATEST NEWS from CACTUS LAND  
PARAMOUNT, CALIFORNIA







Aerial view of our ten acres of specialized nurseries. In the foreground are greenhouses, glass covered frames and lathouses in which are growing two million Cacti and Succulents from tiny seedlings to trees fifteen feet high. In the background are acres of concrete pools in which our other great specialty, Water Lilies, are grown.

## 1876 - 1948

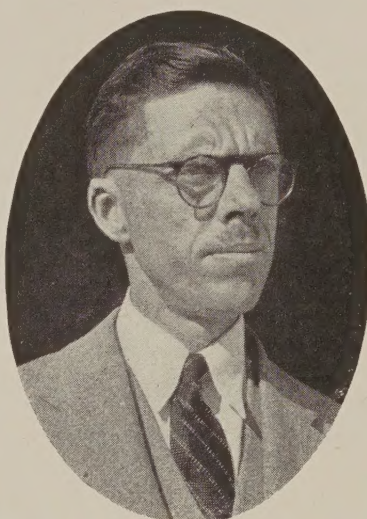
**O**UR NURSERIES were founded in 1876 in Bordentown, N. J., and were moved to Hollywood in 1894 when it was then a verdant center of orange and lemon groves. There it was known for its fine collection of rare sub-tropical trees, shrubs, cacti and water lilies. In 1921 it was moved to our present site to the south of Los Angeles. Here we have developed a modern plant with ample office and shipping space, including a branch post office for parcel post, assuring speedy dispatch of shipments.

## HIGHEST QUALITY

Our long experience in growing and shipping plants assures you of the best stock possible. We grow our own plants under the most ideal conditions. Only by direct shipment from the grower can you be assured of fresh healthy rooted plants. Our plants are dug daily by our packing crews. Why waste time and money on less fresh plants when you can be assured of clean vigorous rooted stock from the world's largest grower? We invite comparison of our plants and products.

## LOWEST PRICES

Our rock-bottom prices include free delivery to your door of the finest stock. There are no other charges. Careful packing by experienced packers assures you that no matter where you live from Canada to Panama plants will be received in as fresh condition as though you had chosen them here at our nursery.



### TO OUR PATRONS:

With this 1948 Treasure Trove catalog we offer many new plants to our old customers and we hope pleasure to Succulent fanciers in all the lands to which it goes. Our friends are in every land on earth though our European friends cannot now increase their collections due to restrictions by their governments on dollar exchange. Almost all nations now have National Cactus and Succulent Societies and interest is steadily increasing in every branch of this fascinating hobby. Our American Society is the world's focal point of cactus lore.

*Harry Johnson*

## TERMS

**I GUARANTEE SAFE DELIVERY ANYWHERE . . . ANYTIME**

**NO SHIPMENTS** during December owing to the crowded Christmas mails.

**FREE DELIVERY** of all orders amounting to **\$2.00 or more**. A few specimen sizes noted in text are F.O.B. Hynes.

**MINIMUM ORDER** for free delivery is \$2.00. Orders for less **must have 25c extra** to cover packing costs.

### MAY WE SUBSTITUTE IF OUT?

Will you provide us with one or two second choices in your order? We will use them only if absolutely necessary.

## OUR GUARANTEE

WE GUARANTEE to send you only fine healthy plants true to name and that they will reach you in fresh planting condition. If for any reason packages are damaged in transit we will replace any injured plants free. All complaints must be made within 5 days. Owing to conditions over which we have no control, i.e., your culture, etc., no adjustments can be made after this period. We beg your indulgence if only a plant or so is damaged that we may send you a credit card to be used with your next order.



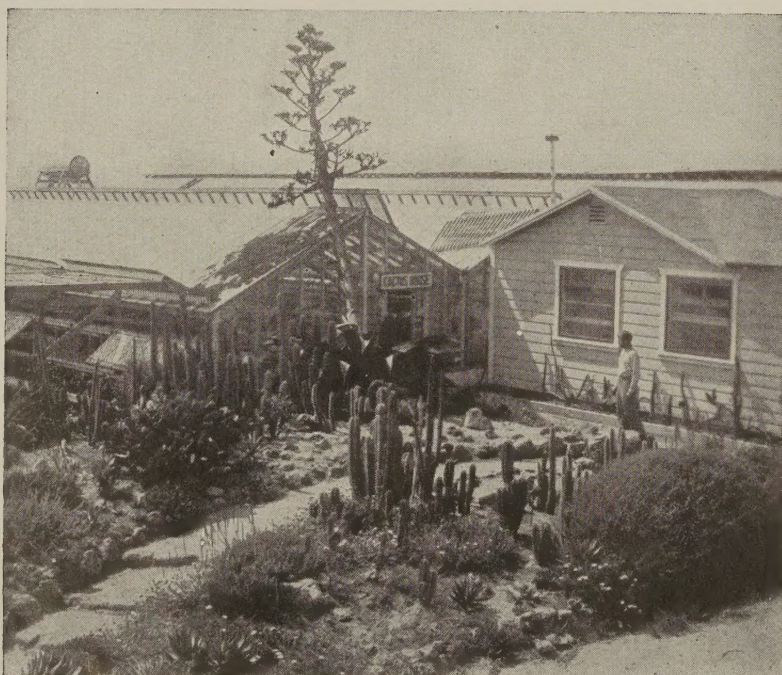
## OUR COLLECTION

**F**OR many years our collection of Cacti and Succulents has been growing until now it is the largest in the world. We have included representatives of almost all available genera for study and comparison and are continually adding new acquisitions. In many genera we have extensive collections of species, particularly in those which are outstanding in flower or plant form. Such particular groups include Mamillaria, Notocactus, Gymnocalycium, Echinopsis, Parodia, Neoporteria, Lobivia, Cleistocactus, Hylocereus, Selenicereus, Trichocereus, Rhipsalis, etc., among the cacti. Particular groups among succulents are Euphorbia, Stapelia, Caralluma, Huernia, Lithops and all succulent Mesembrianthemums, Crassula, Haworthia, etc. In many smaller genera we have almost complete sets.

Managing a collection as varied as ours is a matter of infinite detail. Many species require extremely specialized treatment, knowledge of which we have gained through long years of experiment. To keep them propagated and ready to ship in all their multiplicity of forms and to see that rare plants do not get lost or overlooked requires the assistance of careful card indexing. Many rare plants are only introduced at the time of their discovery and in many cases have never been found again. Collectors penetrate into remote and inaccessible regions only rarely, for such expeditions are expensive and time consuming, and only experienced, trained botanists can make such collecting trips worthwhile. Thus when new plants are received the problems of culture and continued propagation must be solved before we can make the species available to our patrons. Some plants may be raised from cuttings, but others are of such slow growth that only seed is practicable, so the plants must be grown to maturity carefully hand pollinated and the seedlings brought to size before we can list them. To grow one or two specimens is one thing, but to grow 500 of the same clean plants presents an entirely different problem.

## WHEN YOU VISIT LOS ANGELES STOP AT PARAMOUNT

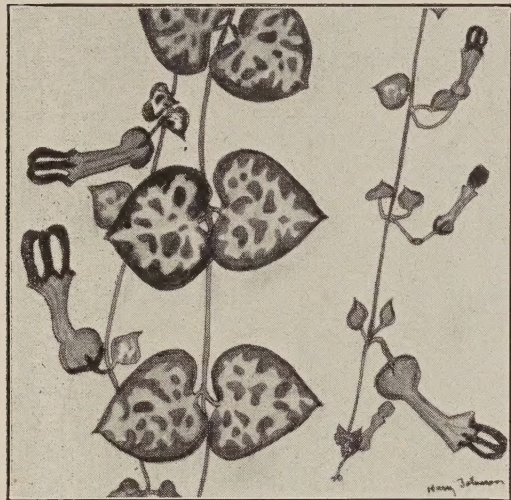
Our friends are always welcome at our Nurseries and we hope you will visit our growing grounds and see for yourself the many interesting plants in our collections. Paramount, which was Hynes, is 20 miles south of Los Angeles, 5 miles east of Compton. Phone Metcalf 3-1515.





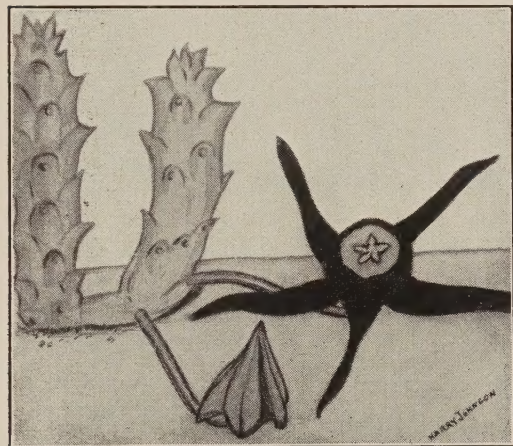
# Some Rare and Unusual SUCCULENTS

All of these Succulents are South African, the region which has supplied the fancier with many of his choicest plants. The climate of South Africa is similar to that of Southern California in many ways. Many of the more sought after plants are found in the Karroo, an elevated dry region which slowly grades into the extremely hot, dry Kalahari Desert, and in the far west to the dry mountainous British South West Africa. Here is found a wealth of curious plants which, in this vast empty land, have slowly evolved down the ages to adapt themselves to the intense sunshine and long dry periods where rain may not fall for months and in some regions even years. The Stone Faces or Lithops have become simply a pair of fat leaves grown together, often with only a tiny slit in the top through which the sprightly blossoms slowly emerge at the beginning of the growing season. Others, like *Euphorbia valida*, have become very cactus-like (though they may always be distinguished by their milky sap) with some burying themselves until only their tops show.



**HEART VINE**

A charming easily grown plant that springs from a small tuber. The heart-shaped leaves are in pairs and prettily marbled with silver. It likes to hang down in long trailing curtains, the curious blossoms appearing almost all the year. *Ceropegia Woodii* will thrive in sun or shade in any window. The tubers are easy to establish. Potted, each..... **25c**



**DUVALIA RECLINATA**

These odd blossoms are closely related to the Starfish flowers and require about the same care. They bloom when quite small, generally in fall and spring, though there is hardly a day that they are not in bloom here. The flowers are almost black with a lighter boss in the center and lay flat on the ground. Easy to grow and flower. Branched plants, blooming size..... **25c**

**LITHOPS FRAMESII**

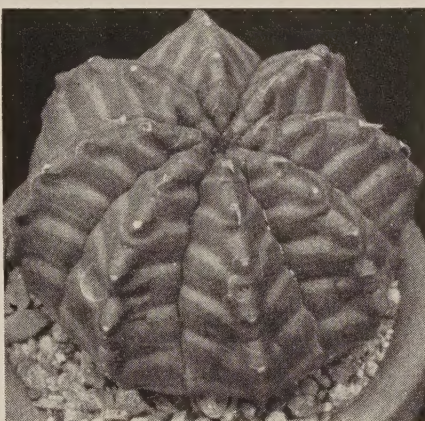
A very pretty variety, violet grey with darker pattern on the rounded tops. The flowers are white and produced in November. Forms clusters. Flowering size..... **20c**

**LITHOPS URSULAE**

Charming with dark rusty red lines incised on the buff colored uneven tops. The large flowers are sparkling white and appear in September. Very bright. Flowering..... **20c**

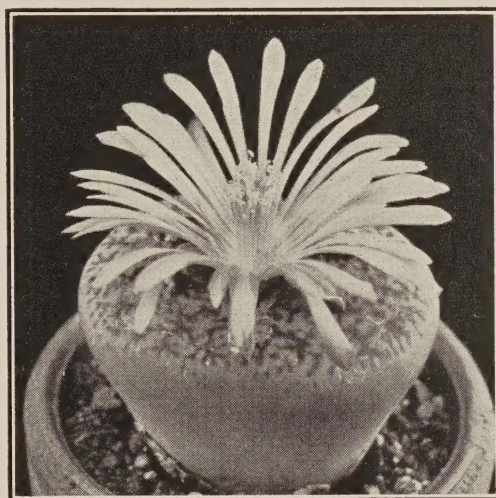
**LITHOPS FULVICEPS**

The fat, flat-topped leaves are rosy beige in color with an intricate pattern of incised brown lines. The white flowers are borne in September. Flowering size.... **20c**



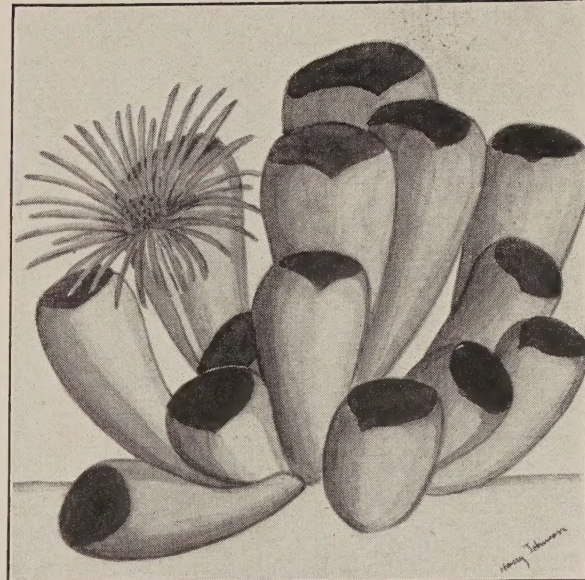
**STRIPED EUPHORBIA**

An uncommon succulent more or less brightly striped or banded in a zigzag pattern. A choice collector's item. The plants are either male or female and a pair is needed to produce seed. 1½-inch, each **75c**



**STONE FACE**

The Stone Face or Lithops are amongst the prettiest and certainly most curious of succulents. They are easily grown and flower freely in the fall. There are a great many different kinds—we have more than 30—each one varying in the lovely lucent patterns on their tops. Some kinds are red, others rosy tan with red lines, others blue-grey, rosy white, green, and all are spotted or marbled with contrasting window patterns. The windows are true windows to let diffused sunlight into the plant! Sand or very sandy soil. Reaches 2 inches across. Each..... **25c**



**ORANGE BABY TOES**

This unusual *mesembrianthemum*, *Fenestraria aurantiaca*, is one of the more striking "Window" plants. Each leaf is tipped with a translucent pane which filters the intense desert sunlight. No one could fail to be thrilled by possessing this strange plant from far-off Africa. Blossoms are orange yellow. Potted flowering specimens with special cultural instructions..... **40c**

## FANCIERS' COLLECTIONS

THE COMPLETE  
WINDOW GARDEN  
COLLECTION Q1

20 FINE PLANTS

A fine selection to start your window garden or for planting outdoors during the summer. Contains representatives of all the main groups of both Cacti and Succulents. Correctly labeled..... **\$3.00**



DE LUXE GARDEN  
COLLECTION Q2

40 choice plants, all correctly labelled. A fine selection of the beautiful and odd. Living Rocks, Easter Lily Cacti, Dragon Flowers, Opuntias, Pin-cushion Cacti, Echeverias, Old Men, Torch Cacti, Cereus, Barrel Cacti, Parodias, etc..... **\$5.00**

FANCIER'S ASSORTMENT  
COLLECTION Q3

75 rare and choice plants for the collector of the odd and beautiful. Stonefaces and other rare South African succulents with South American cacti, Lobivias, Cerei, Notocacti, etc., plus a group of Mexican Mamillarias, Ferocacti, etc. Labeled..... **\$10.00**

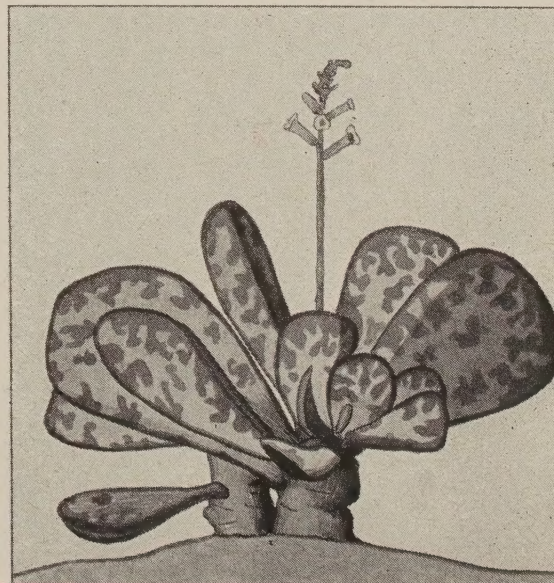
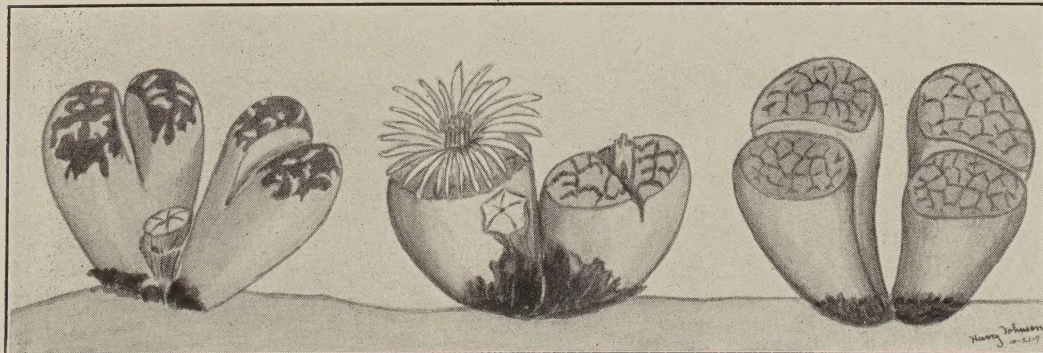
CENTURY ASSORTMENT  
No. Q4

100 CACTI. NO SUCCULENTS.

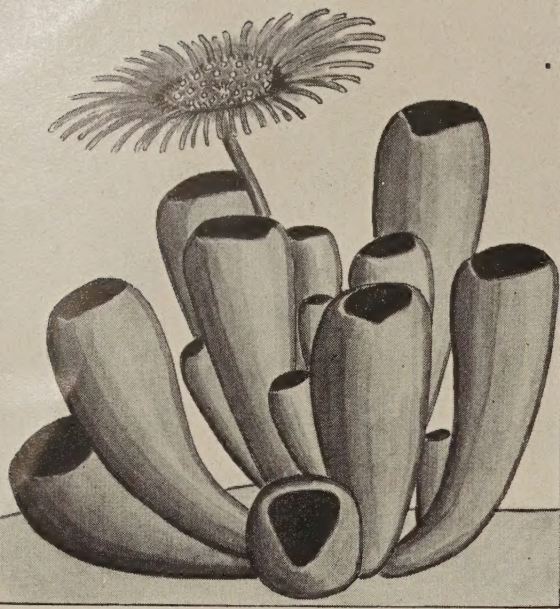
A collectors' group, including all the main genera and species of Cacti. A gift any collector would prize above all else. A very moderate price of only..... **\$25.00**

CALICO HEARTS

The lovely and very rare *Adromischus maculatus* will be one of the choice gems of your collection. The leaves are handsomely mottled rich maroon on a silvery green ground. A long-lived succulent enjoying a porous loam soil and moderately generous waterings with shade during hottest part of day. Each..... **35c**







#### BABY TOES

This odd "window" plant is native to the sandy coastal deserts of West Africa. Each leaf has a clear window at the tip. Lovely white blossoms in the fall. Potted flowering plants. **35c**  
Larger specimens .....59



#### CARUANTHUS CANINUS

A sturdy, pleasing little plant related to the Tiger Jaws. Like them it forms small clusters of blue green faintly toothed leaves and, in the early fall, produces many of its daisy-like yellow blossoms. Nice flowering plants. **20c**

#### OUR CACTUS COMPOST

For the convenience of our customers we have prepared a compost that with the addition of sandy loam and clean builders sand will make an ideal soil for all types of Cacti and Succulents. One package will make 6 to 10 quarts of compost. Very economical.  
**2 Pound Bag .....75c**  
**Per Peck .....\$1.95**

#### CHENILLE PLANT

*Echeveria pulvinata*

At all seasons this is a dainty beauty, the leaves and stems densely covered with a soft plush of fine hairs and tipped and margined with rich red. It flowers in midwinter, the bells large and brightest crimson. One of the prettiest things in our houses. Semi-shade and moderate moisture. Each. **25c**



# SUCCULENTS

THESE colorful and fascinating desert plants are becoming increasingly popular with our patrons. Most of them are easy to grow in the window garden and none of them have spines. They are found principally in the desert or semi-desert regions of Africa and Mexico, though almost every region of the world produces some species. They are called "succulents" because their thick juicy stems and leaves store water to tide them over the long dry spells found in their home lands. Mexico, from its mountains and plateaus, has given us the lovely Echeverias with their rich coloring and handsome flowers, the white powdered-leaved Pachyphytums, Sedums and related genera and the stately Yuccas and Nolinias and the towering spikes of the Century Plants. From South America come the Dyckias and Puyas, members of the Pineapple family. But the great bulk of our succulents are from South Africa and Madagascar. Here are found a myriad of strange and curious forms. The strikingly beautiful Star Flowers, some with blossoms bigger than dinner plates, nestle beneath the scanty shade of Mimosas. The plains and valleys are dotted with shrubby Mesembryanthemums, which during their flowering seasons are ablaze with brilliant blossoms. In the warmer regions toward Rhodesia the great tree Euphorbias, their gaunt arms reaching upward, give thin shade to the sturdy black men in their kraals. The wonderfully adapted Stone Plants, which in their hundreds mimic the pebbles among which they grow, are found in abundance. Only when they burst into bloom may one discover their hiding places. Clumps of Haworthias in their infinite varieties cling to the shelter of the sparse shrubs, shrubby Cotyledons open their orange bells on the hillsides, and among them hide the dainty Crassulas, with their fragrant "shaving brush" blossoms, while the flaming torches of the glorious Aloes march over veld and kopje, their honey-dripping bells an invitation to the flashing sun birds.



#### MEXICAN FIRECRACKER

The charming Echeveria setosa is a treasured plant. The fresh green leaves are covered with white plush-like hairs. The richly colored blossoms last a long time in perfection. Likes a well lighted situation but not too much direct sun. Each. **25c**



#### EUPHORBIA OBESA

A strange and rare cactus-like succulent from Africa. Most interestingly plants are either male or female. It thrives in sandy loam with leafmold and gravel and plenty of sun. Large **\$1.50**. Fine plants, 75c and..... **50c**  
Matched flowering pairs, per pair.....\$4.00



#### SCARLET PAINT BRUSH

A very handsome flowering succulent that should be in every collection. The myriad scarlet blossoms are borne in flat topped corymbs in the fall. Rochea falcata grows easily for everyone. Scarce! 5-inch to 6-inch flowering. **20c**  
50c. 2-inch to 3-inch.....



At left:

#### CHAIN PLANT

In summer it throws out long runners bearing lovely bright pink blossoms. The leaves are coppery and in winter are tinged with purple. Tradescantia navicularis is related to the common Wandering Jew and comes from the mountains of Peru. Thrives in sun or shade with moderate waterings. Each. **20c**

#### SUPERB TIGER JAWS

A splendid white dotted form of this popular fall flowering plant. Should be in every window. Nice clusters, 35c. Each. **20c**



#### SUCCULENTS FOR THE AMATEUR

A fine book describing over 800 kinds of Succulents. 167 pages crammed with information. 400 illustrations, 85 in color. Every collector should have this book to refer to. Cloth binding. Postpaid..... **\$2.55**

#### CACTI FOR THE AMATEUR

110 colored pictures, 150 cactus photos. A splendid book on Cactus culture. Cloth binding. Postpaid..... **\$2.55**

#### CHRIST THORN

The lovely scarlet blossoms of Euphorbia splendens are found all the year around. Everyone succeeds with it. Likes a rich sandy loam and generous supply of water. When growing, light applications of our Cactus Food will keep it blooming indefinitely. Give it a semi-sunny location. Native of Madagascar. Large plants, 16 to 18 inches, 75c; 12 to 14 inches, 50c. Fine blooming specimens from pots, 8 to 10 inches..... **35c**







#### AFRICAN LIVING ROCK

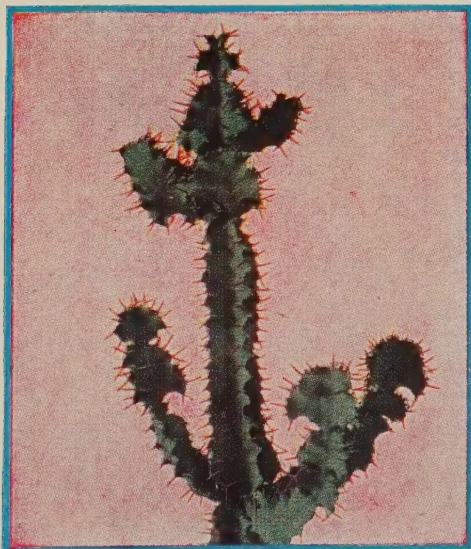
A fine, easily grown mimicry plant, *Pleiospilos similans*. The grey-green dotted leaves are carved from Vermont granite. Blooms in autumn. Thrives in very sandy soil with moderate water and sun. Large, 3 to 4 inches, 35c. Blooming size, ea..... **22c**



#### ELK HORN EUPHORBIA

*Euphorbia lactea cristata*

A rare and attractive cristate plant. All collectors treasure these crests for their beauty and curious growth. A real collectors' item. Only a few plants. Grows to 3 feet in height, making a noble specimen. Fine crests, 4 to 5 inches, \$1.50; 3 inches, **75c**; 2 to 3 inches, each..... **75c**



#### COW HORN EUPHORBIA

*Euphorbia grandicornis*

A handsome specimen plant with emerald green, triangular stems and stout, brown, curved spines. Partial shade with a sandy soil and plenty of water when well established. Fertilize when growing. 10 to 12 inch specimens, \$1.00. 4-inch..... **60c**

#### ECHEVERIAS

We have a nice selection of these charming plants. *Echeveria* Doris Taylor, 25c. *E. expatriata*, 20c. *E. nodulosa*; rare, 30c. *E. Peacockii*, blue white, 25c. *E. pubescens*, 25c. *E. pulvica*, 25c. *E. pulvicox*, 25c. *E. pulvoliver*, 25c. *E. recurvata*, fine, 30c. *E. setoliver*, 20c. *E. microcalyx*, 20c.

#### ECHEVERIA COLLECTIONS

Collection Q-5—6 unlabelled Echeverias.....\$1.00  
Collection Q-6—10 labelled Echeverias.....\$2.00



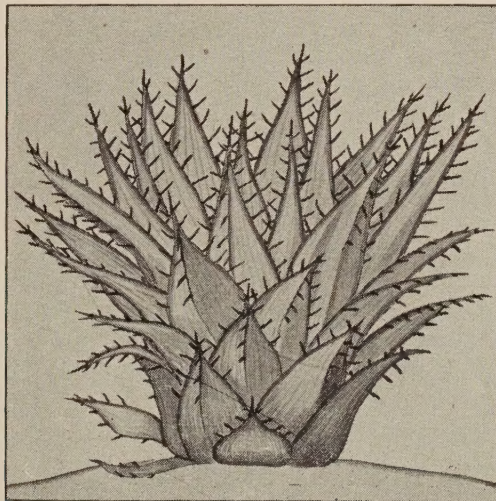
#### LITHOPS SUMMITATUM

A charming Stone Face, tan with dark brown mottled windows. Lovely snow-white blossoms in October. Plant in sand or sandy soil. Keep dry in winter. Fine flowering size..... **20c**



#### MEXICAN GEM

Close rosettes of powdered white spoon-shaped leaves. The blossoms which appear in the spring are charming. Colors are brightest when given plenty of light. *Echeveria elegans* is very easy to grow. Large rosettes, 30c. Each..... **20c**



#### LACE HAWORTHIA

*Haworthia setata*

A dainty small Haworthia. The lacy effect is produced by the long, snow-white bristly teeth and the tapering bristle-like tip. The leaves are lined with transparent windows. Charming and quite easily grown in a very sandy soil with some leafmold and gravel. Keep completely dry in July and August. Fine plants, 50c and..... **35c**



#### PLOVER EGGS

A fascinating and lovely plant with fat, round leaves marbled with maroon-red. Everyone will enjoy it. Small pink and white blossoms. *Adromischus Cooperi* grows easily in sandy soil with some leafmold and a moderate amount of water. Sunshine brings out the brightest coloring. Each..... **35c**

*Adromischus triflorus*. A pretty variety, the tips quite waved, the leaves lightly mottled. Each 35c. *Adromischus* sp. No. 1. Clusters of round green leaves. 50c. *Adromischus* sp. No. 2. Large fat grey-green leaves, 50c.



#### EUPHORBIA MELOFORMIS

A very rare succulent from South Africa. Our type tends to form pretty specimen clusters. A choice collector's item. Easily grown in sand or sandy soil with moderate waterings. Sun or part shade. 1 to 1½ inch. Each..... **75c**

*Euphorbia horrida*. A prince among Euphorbias. Very spiny and extremely rare. 1½ to 1½ inches. Each..... **\$1.50**

#### HAIRY STARFISH FLOWER

This lovely bright desert star is one of the most fascinating of succulents. *Stapelia hirsuta* is at home in the window garden, blooming freely the first year. The small plants grow easily in sandy loam, flowering all summer and fall. Give moderate water in summer but keep dry in winter. Large clusters, 50c. Potted branched clusters..... **35c**

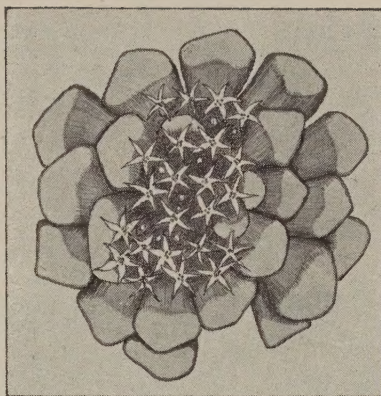






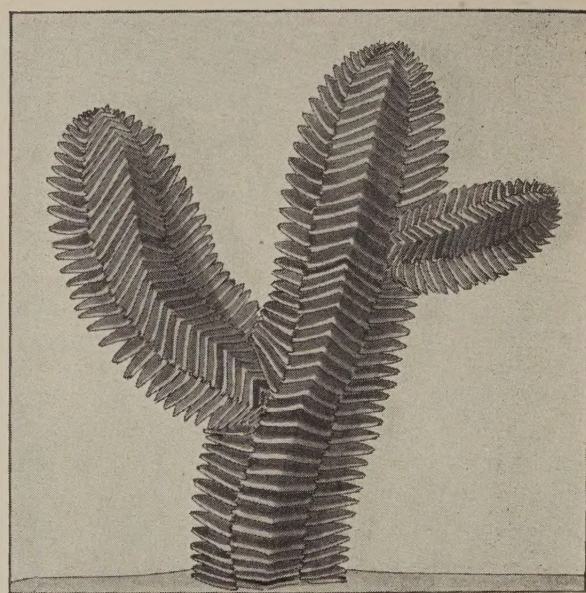
#### COCKSCOMB PLANT

The fan-shaped stems are very much crested and waved, bearing along their crests numerous blue-white leaves. *Pachyveria clavifolia cristata* makes a lovely specimen liking sandy soil with leafmold and semi-shade. Large, 50c. 2-3 inch crests..... **20c**



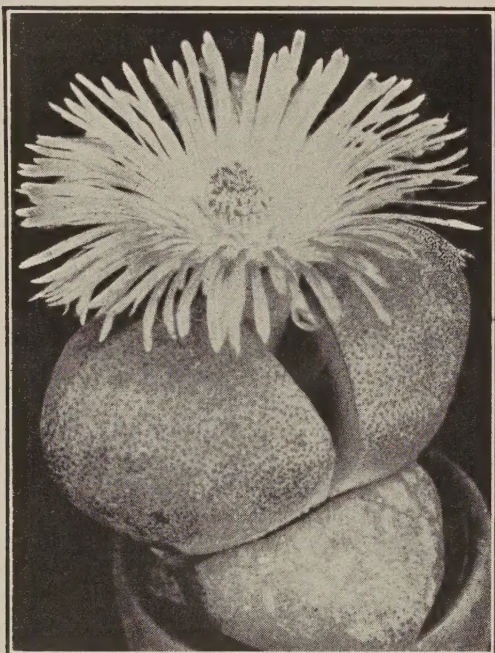
#### FOAM FLOWER

A very rare mimicry plant, *Crassula mesembrianthemopsis*. Lovely fragrant, white "shaving-brush" flowers borne in December. The top of the plant is almost level with the soil. The triangular, truncate leaves are sandpaper tipped. You will enjoy this odd gem. Grows in fall. Keep dry in July and August. Large specimens, 5 years, 50c. Flowering..... **25c**



#### PYRAMID CRASSULA

Every fancier covets the striking *Crassula pyramidalis*. This rare South African succulent is the extreme of laminate leaved types. Fragrant, white "shaving brush" flowers. Sandy loam, part shade..... **75c**

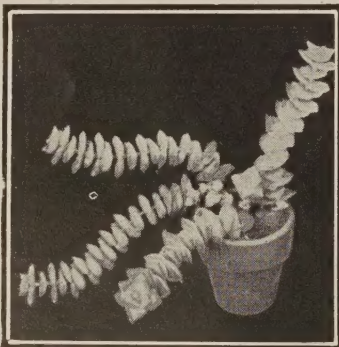


#### SPLIT ROCK. *Pleiospilos Nelii*

One of the finest mimicry or Stone like plants and one of the easiest succulents to grow. The smooth granite-grey leaves grow naturally among similar grey rocks to hide them from the baboons and ostriches, which are fond of them. They flower the first year in March. Pure sand or sandy loam and full sun. Water only when dry. 2-inch, 50c; 1½-inch, 35c; 1-inch, each..... **20c**

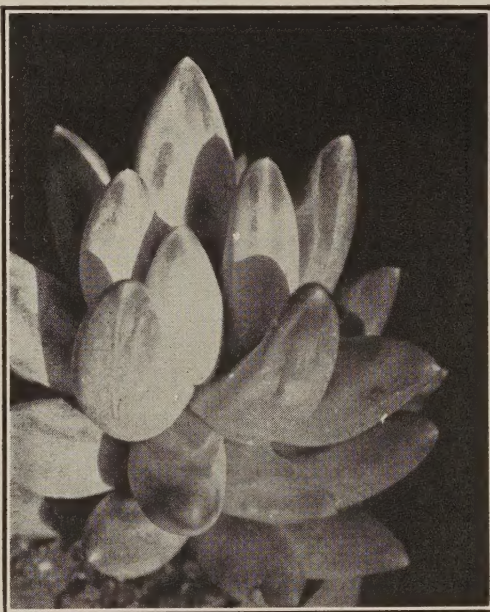
#### NECKLACE VINE

A great and easily grown favorite, *Crassula perforata*. Each pair of leaves is joined together, the stem passing through like a string of beads..... **18c**



#### BEAD VINE

*Crassula rupestris* is similar but bears lovely sprays of pink flowers. Pretty..... **18c**



#### TOWER OF JEWELS

*Pachyphytum compactum*

A charming easily grown and long-lived succulent from the mountains of Mexico. The lovely dove-grey leaves are dusted with a white powder and faintly mottled with darker markings. In winter it often assumes a violet overlay..... **25c**

*Pachyphytum brevifolium*. Fine with flat leaves overlaid with rose and tan. Each..... **25c**

#### LIVING ROCK DISH GARDENS

##### MIMICRY PLANTS COLLECTION No. Q7

A fine collection to be planted in a bowl 6 inches in diameter. Plant in sandy soil, covering the surface with pebbles and small stones to demonstrate the curious mimetic quality of the plants. A sunny location and very moderate watering. African Living Rock, Flowering Stone, Karroo Rose, Silver Skin, Pleiospilos Hilmari, Jewel Plant, Baby Toes. **SEVEN ROCK-LIKE PLANTS..... \$1.50**

#### WHITE JEWEL PLANT

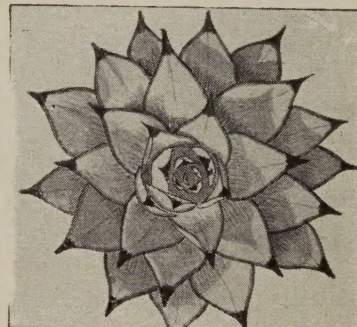
*Titanopsis Schwantesii*

A choice succulent, pure white leaves pebbled at the tips. Grow wild in crevices of limestone rocks, where it is almost invisible. Pretty yellow flowers. Likes sandy soil, moderate watering and sun. Flowering..... **30c**



#### HOUSE LEEK

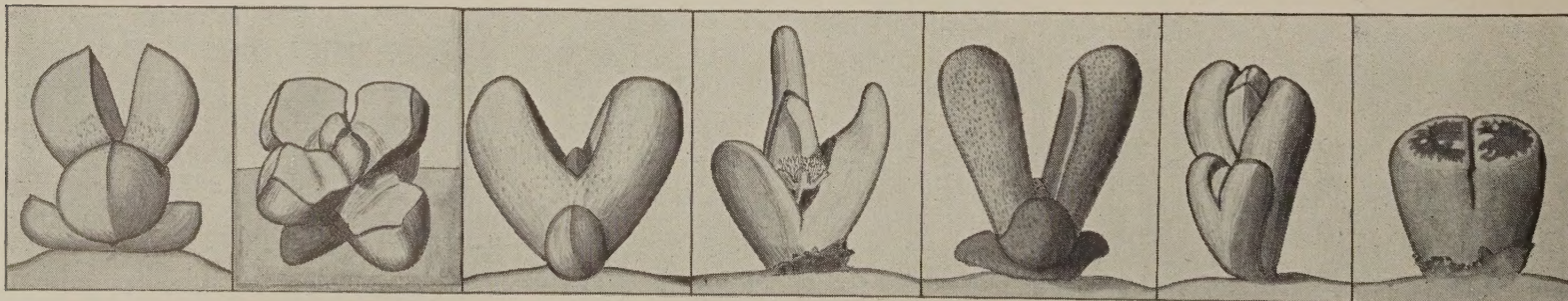
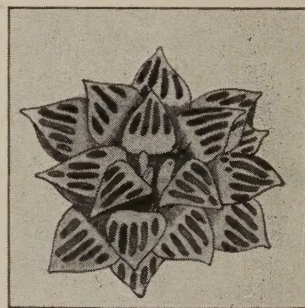
A quite hardy plant outdoors in the north. Leaves dark green, tipped red in a lively way. In Europe they are planted on the roofs of sod houses. *Sempervivum calcaureum* likes moderate waterings. Each..... **22c**



#### PYGMY WINDOW PLANT

*Haworthia turgida*

A charming window plant with a pretty luculent pattern on the flat topped, wedge-shaped leaves. A very sandy soil, moderate watering. Partial shade. Ea..... **25c**



#### DINTERANTHUS PUBERULUS

Charming African Stone Plant, leaves white tinted pink. Blossoms bright yellow in fall. Fine. Large..... **25c**

#### KARROO ROSE

The lovely *Lapidaria Margaretae* with carved white leaves flushed with rose. Golden blossoms borne in September. Fine plants..... **25c**

#### FLOWERING STONES

*Dinteranthus inexpectatus* closely resembles the white pebbles among which it grows. Golden flowers. Fine..... **25c**

#### GIBBAEUM

Curious mimicry plants with rosy lilac flowers and very unequal leaves. Form clusters of fat white leaves. Each..... **25c**

#### PLEIOSPILOS HILMARI

Fat copper-red leaves like jasper pebbles. Large golden blossoms borne from August to September. Nice colored plants.. **25c**

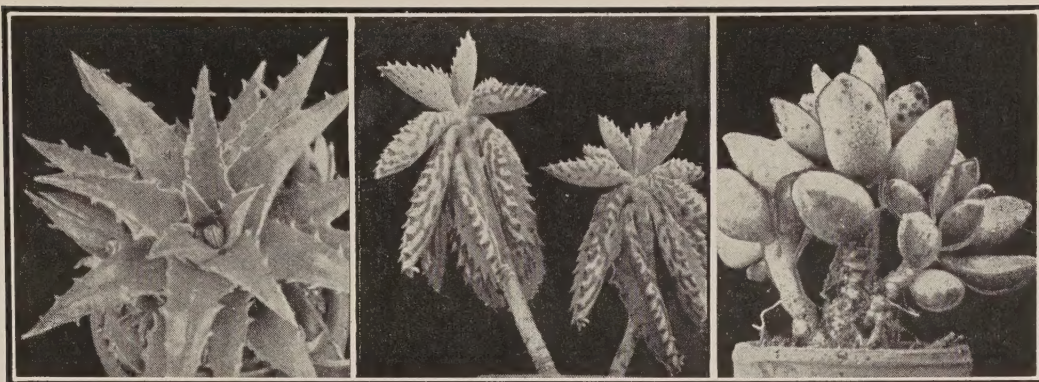
#### PEBBLE PLANT

The *Rimarias* are like smooth green chert pebbles. Cluster forming. Flowers white or pink..... **25c**

#### STONE FACE

Lithops are the jewels among succulents. Lovely patterned windows on top in brown, grey, rust red, white or green. Just like colored pebbles. Nice plants, ea..... **25c**





#### PINEAPPLE DYCKIA

Bright glossy green leaves and lovely spikes of rich, orange yellow blossoms in spring. Grows anywhere. Likes water and some shade. 2-inch to 3-inch specimens. Each..... **25c**

#### COCONUT PALMS

Looking for all the world like miniature coconut palms! A cluster in a brightly colored dish makes a very pretty ornament. Produces young plants on the leaves. Three for..... **25c**

#### PRETTY PEBBLES

A charming small plant with prettily marked leaves, silvery green and maroon. *Adromischus clavifolius* likes moisture and either sun or shade, growing easily. Specimens, 35c. Each..... **23c**



#### ARABS TURBAN

A gem, very odd and easy to grow. A choice specimen. Sandy soil and partial shade. *Crassula hemisphaerica*. A beauty. Large, 35c. Each..... **22c**

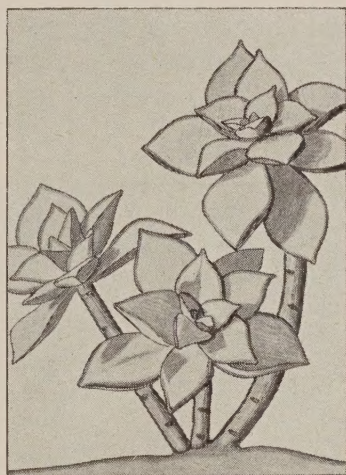


#### JEWEL PLANT

Lovely mimicry plant often becoming highly colored in winter. The rugose leaves are blue-green and white, the blossoms yellow. *Titanopsis calcaureum* likes sandy soil, moderate waterings and sun. Flowering specimens..... **20c**

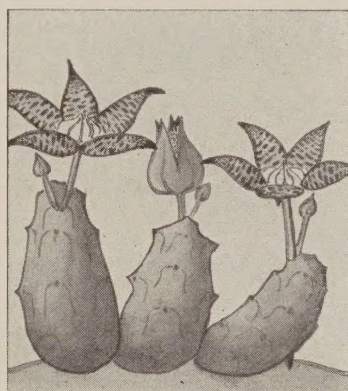
*Titanopsis setifera*. Collector's item. Each..... **50c**

*Titanopsis Primosii*. Very rare species. Each..... **50c**



#### GHOST PLANT

A splendid plant that becomes more graceful with age. As the stems lengthen they droop in pleasing curves. We have plants more than 10 years old. Of easiest culture in sun or shade. Each..... **22c**



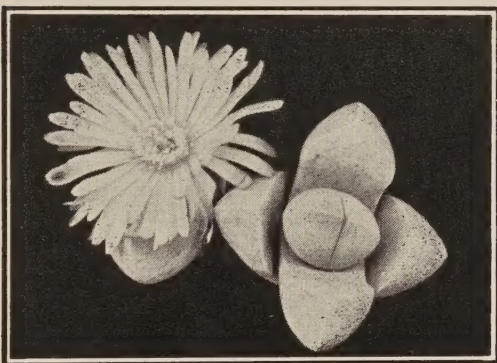
#### YELLOW STARLETS

A pretty dwarf plant, *Piaranthus Pilsansii*, related to the Starfish Flowers, with erect star-like, clear yellow flowers. Small egg-shaped stems of coppery green. Very free flowering. Clusters, each..... **35c**



#### CORAL BEADS

Every bead is brightest red. Every bead that falls will grow! *Sedum Stahlii*, in sun or shade. Each..... **18c**

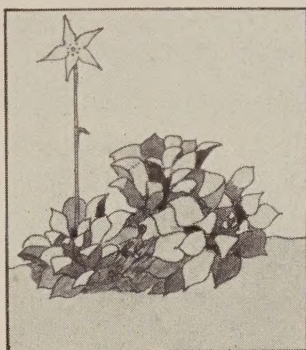


#### KARROO ROSE

A lovely mimicry plant with white leaves suffused with smoky rose and in the winter sunshine dyed with rose red at the leaf base. Plants flower over a very long period in autumn, a rich bright golden color, 1½ inches in diameter. Sandy soil, very moderate waterings, sun. Flowering specimens..... **25c**

#### ECHEVERIA GILVA

Fine quick growing specimens. Rosettes like big green roses. Eventually form clusters, the little ones crowding about the skirts of the mother plant. A good plant, easily grown, and will do well in shade. A great, old-fashioned favorite. Sandy soil with some leafmold, moderate waterings. Large, 30c. Nice..... **20c**



#### WOOLLY SAND ROSE

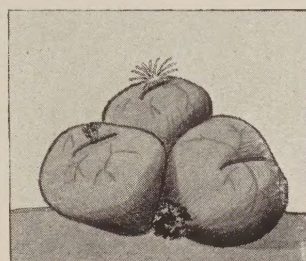
A small clustering succulent with wool covered thick leaves. *Anacampseros tomentosa* from Africa is a choice collector's item with pink flowers. Sandy soil, sun or shade. Flowering..... **20c**

*Anacampseros telephiastrum*. Fine pink flowers. Large..... **25c**

*Anacampseros filamentososa*. Charming large flowering..... **25c**

#### LOVE PLANT

A very easily grown and flowered succulent with clustered, thick green leaves. Large bright pink wild rose blossoms. *Anacampseros lanceolata* is charming. Large blooming..... **25c**



#### Conophytum Giffbergensis

Silver green clusters of grape-like bodies. Extremely rare and curious item. Related to the Stone Faces. If you like the odd you will enjoy this one. Clusters, 50c. Plants..... **25c**

*Conophytum Ernianum*, 50c. *Conophytum Braunsii*, 75c. *Conophytum multipunctatum*, 35c. *Conophytum Wiggettae*, 40c.



#### TONGUE LEAF

Curious tongue-shaped leaves. Large yellow blossoms in winter. *Glottiphyllum linguaeforme* likes sandy soil and sun. Each..... **25c**

#### PANDA PLANT

An elegant plant, the leaves covered with soft silvery plush, stained at the margins with red-brown. *Kalanchoe tomentosa* forms a handsome specimen. Likes sandy soil and some sun. Popular. Large, 35c. Each..... **25c**

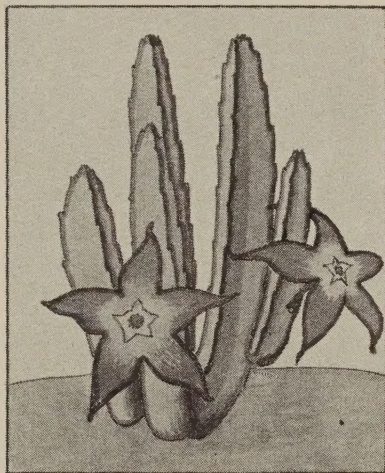






#### PAINTED LADY

A very popular winter and spring blooming succulent, *Echeveria Derenbergii* grows easily for everyone. The blossoms are orange yellow, borne on short spikes, and several appear on each plant. They make fine specimens, ones you will be proud of. The very pretty white leaves are tipped with red. Likes a sandy soil, moderate waterings, with more in summer, and some summer shade. Charming. **20c**  
Flowering size, 35c and.....



#### STAPELIA DIVARICATA

A very free flowering species with pretty flesh-pink flowers an inch in diameter. The plants grow in tight clusters, flowering in the autumn and winter. Very light soil and moderate waterings. **25c**  
Flowering size, each.....

*Stapelia Cooperi*. Three-inch, star-shaped flowers, very handsomely spotted and marked with brown, and lasting several days. A very choice variety of *S. variegata*. Each.....**40c**

*Stapelia angulata*. One of the very choicest hybrids, the large leathery flowers red petalled with contrasting central yellow disk. Very scarce. Each.....**75c**

#### RATTLESNAKE CRASSULA

The rare *Crassula teres* is seldom seen except in the choicest collections. It branches freely from the base, each stem eventually terminating in a cluster of white blossoms which scent the room with fragrance. It grows slowly, liking a light soil with some coarse sand. Semi-sun and moderate waterings. Not hard to grow. Branched, 35c. Nice. Each.....**25c**



#### MOONSTONES

The plump white leaves are chiseled from alabaster, their glaucous surface gently suffused with lavender. *Pachyphytum oviferum* var. grows easily and every fallen leaf will make a plant. Does well in shade or sun and thrives on neglect. Each 2½ to 3½ inches.....**25c**

*Pachyphytum sp. nova*. A lovely variety with pink to violet tinged leaves.....**25c**



#### SILVER CHENILLE

Handsome emerald green leaves with soft white hairs. In winter each rosette bears one or two spikes with a dozen crimson bells which last in perfection for weeks. *Echeveria plumosa* in flower or not is exquisite. Branches freely. Fine specimens, 35c and.....**25c**

*Echeveria Doris Taylor*. A lovely white-hairy specimen. Fine.....**25c**



#### CRIMSON KALANCHOE

*Kalanchoe globulifera hybrida*

A beautiful pot plant that may be brought into bloom at Easter. The flowers are borne in clusters, are of good size, lovely orange red in color. Blooms over a long period, in fact, several months. A fine florist's plant. It likes a rich soil, partial shade, moderately generous waterings. Pinch top out to make bushy. Fine plants.....**20c**



#### OX TONGUE

The *Gasterias* are fine, easily grown and long-lived plants. The leaves are spotted with white and some are covered with snowy bosses. They thrive in shade, with sandy soil and moderate waterings. Large, 75c, 50c and.....**25c**

*Gasteria carinata*. A giant species. Fine. Each.....**50c**



#### STARFISH FLOWER

This is the most commonly seen of these curious plants. The blossoms of *Stapelia variegata* are 2 inches across, of a peculiar leathery texture, spotted with brown, on a yellow ground. It flowers freely on young growth. Each.....**35c**

*Stapelia Wilmanae*. Large 3-inch jet black bells! Each.....**75c**



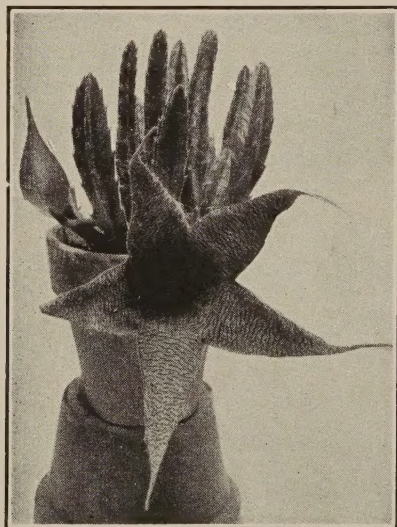
#### TIGER ALOE

Sometimes called Partridge Breast. An old favorite, handsome and easy to grow. Leaves margined and marbled with white. Fine scarlet flowers in late winter. Very sandy loam and moderate water. 50c and.....**25c**

*Aloe Dinteri*. Very rare. Leaves variegated, flowers pink. Nice. Each.....**50c**

#### BLACK STARFISH

The remarkable *Stapelia berlinensis* with handsome 4-inch purple-black blossoms. It is one of the finest in bloom, flowering from early spring till late fall. A hybrid of the *S. variegata* group, it has all its good qualities. A light loam, moderate waterings, and quite a bit of sun, suit it well. Keep dry in winter. The *Stapelias* are great favorites with their curious flowers. Large, 50c. Smaller clusters.....**35c**



#### GIANT STAR FLOWER

*Stapelia gigantea*

One of the largest of all blossoms! Often 16 inches across. Will grow and flower in a 4-inch pot. A native of Africa growing on a sandy veldt, where the huge flowers are spread like handkerchiefs over the tops of the short stems. Sun, sandy soil, moderate waterings. Large, 50c. Nice clusters.....**35c**





#### ECHEVERIA NOBILIS

The Mexican Echeverias like partial shade and thrive in the window garden. This one has white leaves, often tipped with red. Very pretty.  
Each..... **25c**

#### TONGUE LEAF (Top)

Curious tongue shaped leaves and bright yellow blossoms. From Africa..... **20c**

#### LAMBS TONGUE (Top)

Thick grey-white leaves with minute spots. Flowers bright yellow..... **20c**

#### PUSSY EARS

The green leaves are covered with white hairs. Flower, bright purple..... **25c**

#### AMBER STARS

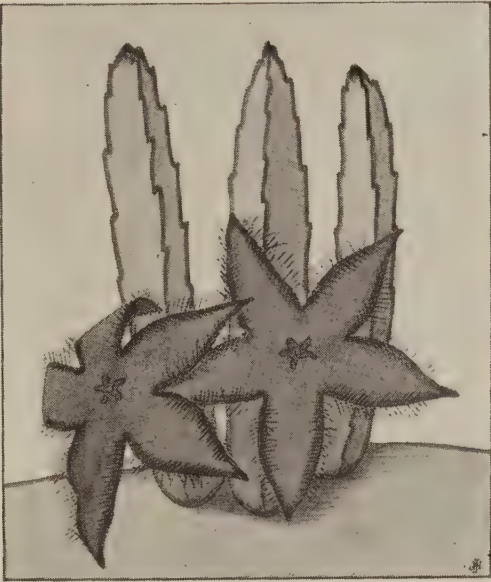
Like the Starfish Flowers, with charming colored bells. Each..... **25c**



#### RAINBOW BUSH

A handsome rainbow hued plant of yellow, cream, pink and green. Each dainty leaf closely attached to the fat mahogany red, jointed stems. Portulacaria afra variety tricolor will stand out among the plainer greens. Light loam soil and generous treatment. 3 to 5 inches, in pots..... **28c**

### STAR COLLECTION Q8. FIVE PRETTY SUCCULENTS AS ABOVE..... **95c**



#### STAPELIA BELLA

Free flowering Starfish Flower, each petal delicately fringed with soft hairs. Blooms over a long period. Sandy loam, semi-shade. Flowering clusters, each..... **35c**



#### WART PLANT

A great favorite and quite deservedly popular. The warts on the leaves are much whiter than shown. Haworthia subfasciata is quite easily grown. They like sand or sandy loam, a shady position and moderate water. Large 2 to 3-inch, 35c. Nice 1 1/2-inch..... **25c**



#### TRICOLORED JADE PLANT

A lovely new rainbow-hued succulent here first offered to the fancier. This is a real beauty, growing anywhere and brightening up any group it is placed with. Leaves striped pink, yellow, cream and green. Crassula argentea var. tricolor will grow in sun or shade. Moderate watering. Each..... **50c**

#### ONE OF OUR CACTUS HOUSES

A section of one of our many cactus houses showing how the young plants are grown. This house contains larger seedlings before they are put out in their final quarters. From here they go outdoors in glass covered frames, where they develop their colors and vigorous root systems.



#### SOME RARE HAWORTHIAS

Haworthias for the collector. H. altissima, 25c; H. alt. denticulata, 50c; H. alt. mucronata, 30c; H. atrovirens, 35c; H. attenuata, 35c; H. attenuata argyrostigma, 40c; H. bicarinata, 40c; H. blackbeardiana, 75c; H. deltoidea, 35c; H. Dielsiana, 35c; H. Engleri, 25c; H. Haageana, 35c; H. margaritifera granata, 50c; H. minima, 50c; H. planifolia alta, 25c; H. plani. olivacea, 25c; H. Reinwardtii, 35c; H. Reinw. adelaidensis, 50c; H. Reinw. Archbaldii, 50c; H. Reinw. major, 75c; H. Ryderiana, 75c; H. Starkiana, 75c; H. subattenuata, 35c; H. tessellata, 30c.

#### SILVER CROWN

(Below)

The beautiful waved leaves of Cotyledon undulatum are thickly covered with white powder. Grows very easily in sandy loam, moderate water. Is prettiest in full sun. Each 35c and..... **25c**

Cotyledon Walkeri. A pretty hybrid, the edges of the leaves waved and with a red line. Each..... **35c**

### ODDS AND ENDS

#### COLLECTION P-19

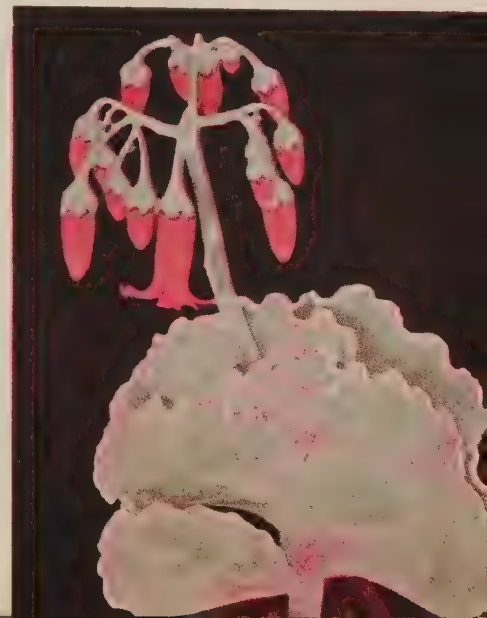
Left over plants from shipping tables. Rather than replant them we offer them at a bargain price. Good clean plants. Collections are never the same.

**12 different plants.....\$1.50**

#### PLEASED WITH OUR PLANTS

My recent order of cacti arrived safely and I was so thrilled when I unpacked them to find several in bud. They are my first Cacti and I intend to have a large collection. Thanks for the three lovely gift plants you included in my order.

MRS. JAMES C. BARKER



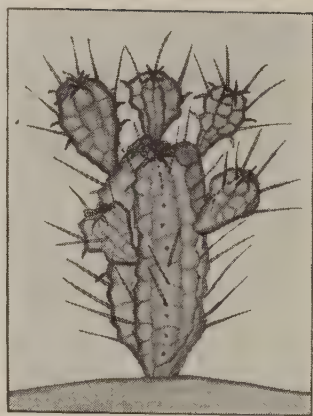




#### SNOWFLAKE STAPELIA

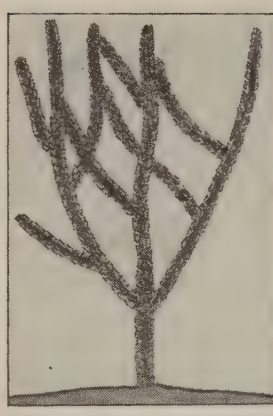
*Stapelia glanduliflora*

Each miniature star as delicately molded as a snowflake. Everyone admires its dainty tracery. Every collector will want it. A sturdy but small plant, the feathery white stars produced in considerable abundance, each flower stalk bearing several. A very rare African species. The plants form clusters and do not run over the edge of the pot. Moderate water, sun, sandy soil. Large, flowering, each..... **50c**



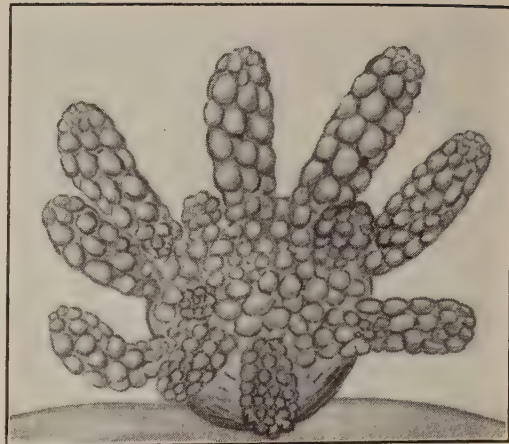
#### FRINGED MILKWORT

The pretty, tree-like *Euphorbia fimbriata* is a very neat, choice plant. Branches freely. Large, 35c; smaller..... **25c**



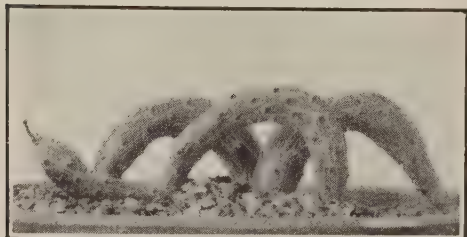
#### PRINCESS PINE

Every piece of the moss-like *Crassula pseudolycopodioides* will grow. Sun or shade. Very pretty, 18c; Two for..... **25c**



#### EUPHORBIA CAPUT COMMELINI

One of the rare Snakes Head Euphorbias. Makes a nice head with very short arms. Likes a sandy or gravelly soil and moderate waterings. Semi-sun. Large, \$1.00; smaller..... **75c**



#### INCH WORM PLANT

The curious *Kleinia pendula* seems to be undecided as to whether it belongs to the animal or plant world. The stems loop up and down as they go forward just like an inch worm. Sandy soil. Fertilize during summer when growing and water moderately, shading slightly. In winter keep dry. Bears in spring large scarlet blossoms like carnations. Each..... **30c**



#### MOOSE HORNS

A small plant with odd antlered leaves in a close rosette. In fall *Hereroa Dyeri* bears daisy-like yellow blossoms followed by dry capsules which open up when wetted..... **20c**



#### SILVER SKIN

A really fine mimicry Stone Plant, silvery white and bearing charming copper or orange colored blossoms. *Argyroderma testiculare* likes full sun. Fine flowering plants, each..... **25c**



#### PEARL ALOE

Each leaf is gemmed with tiny seed pearls. Aloe Bequinii enjoys a light loam soil, partial shade, moderate waterings throughout the year. Fine..... **25c**



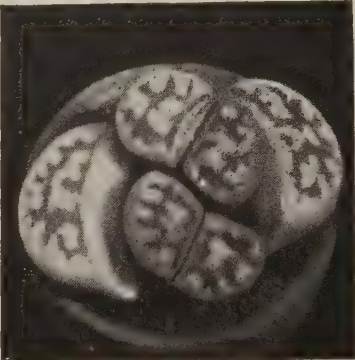
#### BURRO TAIL

A lovely plant whose lambent, pendulous tassels of palest silver have won it a place in every choice collection. *Sedum Morganianum* is a gem from the mountains of Mexico. The tails may reach 3 feet in length. May be grown in pot on shelf or in a suspended pot. Likes moderate watering and not too much sun. Very easy to grow and everyone succeeds with it. It was found growing on the veranda of a Mexican Indian high in the mountains. With age it forms a glorious specimen, branching freely. Larger, 50c; nice plants..... **35c**



#### COBWEB PLANT

A very choice collectors item. *Kleinia tomentosa* is entirely clothed in a snowy felt of silken hairs. It grows freely in sandy loam in a sunny window. Moderate watering. 5-in., 35c; 3-in..... **25c**



#### LITHOPS BELLA

Large white blossoms with yellow center. The windowed leaves are particularly bright patterned. A lovely Stone Face. Very sandy soil, watering only when quite dry. Flowering..... **20c**



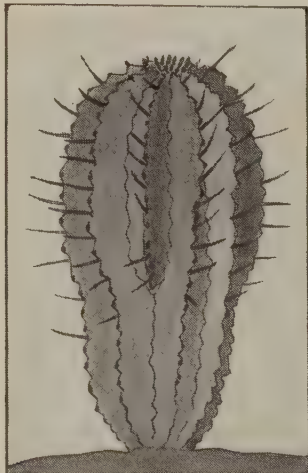
#### RED LITHOPS

The whole plant is rust red! Will reach 2 inches across. Fine yellow flowers. Splendid! Lithops Aucampiae is easy in sand..... **25c**



#### ECHEVERIA MULTICAULIS

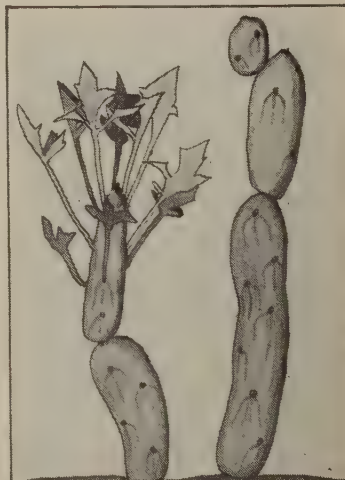
Lustrous green and red leaves particularly bright in cold weather. Likes moisture. Each..... **25c**



#### DEVILS CLUB

*Euphorbia cereiformis*

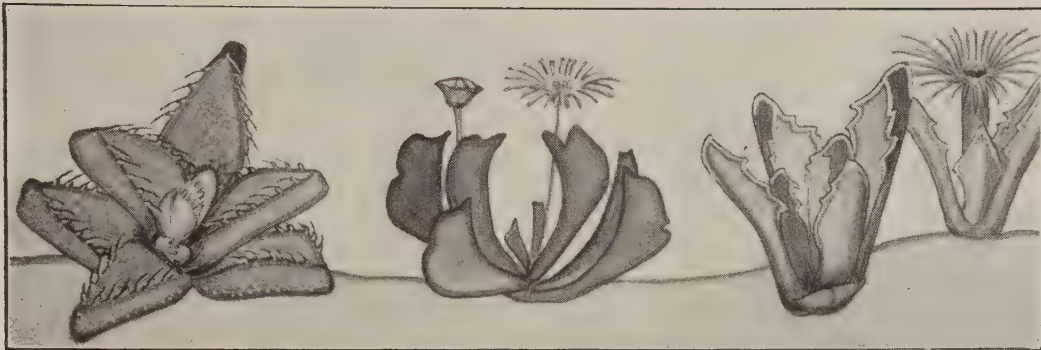
A real miniature tree producing masses of branches and growing freely in sun or shade. Large branched specimens, 50c; 2-3 inch, each..... **21c**



#### CANDLE PLANT

An old favorite with curious candle-like stems. Every piece will grow. Spiky leaves on young growth only. *Kleinia articulata* grows well..... **20c**





#### RED TIGER JAWS

A new and distinct innovation in Tiger Jaws I recently introduced. The leaves are quite red, particularly in the winter season, and with well developed teeth. Fine flowers and easy to grow.

Sun. Flowering..... **35c**

#### SHRINER PLANT

Odd scimitar-shaped leaves. Hereroa Nelli was named after a tribe of West African Negroes while specific name honors Dr. Nels, who has contributed much to African botany. Semi-sun, moderate water. Flowering.....

**20c**

#### BANDED TIGER JAWS

A charming species, *Faucaria albidens*, has blue-green leaves margined with white. Flowers large and yellow. There are a number of species of Tiger Jaws and a collection of them is very interesting.....

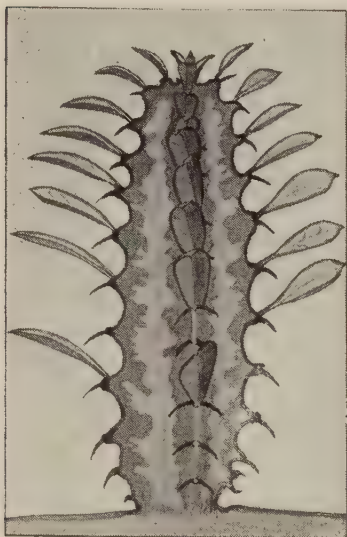
**40c**



#### COCKLEBURS

One of the choicest and rarest of Dragon Flowers. The picture shows clearly the habit of *Huernia Pillansii*. Flowers rust red. Pot in quite sandy loam, water moderately when quite dry. Likes plenty of light. Clusters, 50c; smaller.....

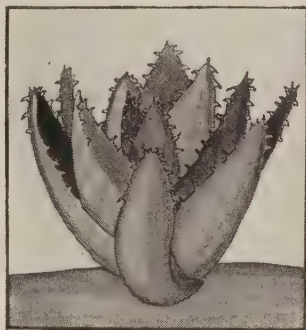
**35c**



#### MILK TREE

Every collection should have the quick growing *Euphorbia Hermentiana*. It grows quite tall and branches very freely and soon makes a fine specimen particularly useful to give height to the back of a cactus group. Likes a sandy soil and moderate waterings. Large, 6-10 inches, 35c; smaller, 4-5 inches.....

**25c**



#### CROCODILE ALOE

The Aloes are strong, healthy plants, and their rosettes of toothed leaves are much admired. *Aloe brevifolia* is pale white, tinged green. Large plants are 3 to 5 inches across. Easy to grow. Large, 35c. Smaller.....

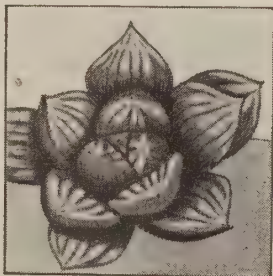
**25c**



#### KNOBBY TIGER JAWS

Each leaf bears tubercles on the upper surface and teeth on the margins. *Faucaria tuberculosa* has yellow flowers. Sandy soil, sun or shade, not too much water. Each.....

**20c**



#### WINDOW PLANT

The flat tipped leaves are prettily patterned with lucent panes. *Haworthia cuspidata* with its fresh green leaves is charming. Sand or light loam, semi-shade. Nice.....

**20c**



#### PACHYVERIA GLAUCA

This is a hybrid between *Pachyphytum* and *Echeveria*, the first of numerous such crosses. The leaves are lovely dove-grey with violet and white shadings. Sun or shade, moderate moisture. Nice.....

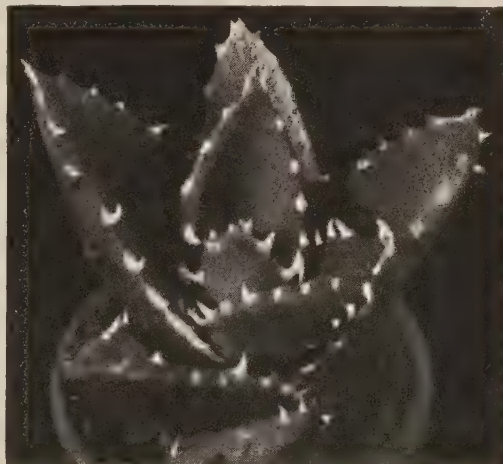
**22c**



#### SILVER BEADS

A little branched gem with white leaves and pretty pink blossoms. You will like it.....

**25c**



#### GOLD TOOTH ALOE

A popular Aloe with golden teeth and tall spikes of red bells. Mature plants are 6 inches across. With age forms clusters. Sun or shade. 35c and.....

**25c**

At Left

#### LITHOPS KARASMONTANUM

The windowed pattern on this Stone Face is of warm brown markings on a beige background. Charming. Flowers pure white. Flowering, each, 35c and.....

**20c**



#### ZEBRA HAWORTHIA

The charming *Haworthia fasciata* is quite rare and because of the pearly-white lines banding the pointed slender leaves is much sought after. All of the Haworthias like quite sandy soil, in fact, grow splendidly in pure sand if fed our Cactus Food during the growing period in spring. Allow them a dry rest during July and August and in mid-winter. Nice specimens.....

**35c**

#### A CANADIAN COLLECTION

These plants are but a small part of the Cactus collection of Mr. A. D. Mathews, of Lethbridge, Alberta. The collection is an old established one. Canada is the home of many such fine collections.







### AN OHIO COLLECTION

This is the collection of Mrs. Merlin Moore, Shelby, Ohio. Her collection is quite extensive and well cared for, as may be seen; but let her tell about them: "I have 100 cacti now and am awaiting my fourth order from your gardens. They always come through in good condition and are a pleasure to unpack. I might explain my plants are kept in the den, which has south and east windows. There are four boxes across the windows filled with plants. All the plants are labelled with the scientific and common names. I also keep a card index and record any interesting data. It is not necessary to tell you that I get a lot of enjoyment from my cacti."

MRS. M. M. MOORE.

### CHOICE SELECTION OF ORCHID CACTI

Our collection of Orchid Cacti is quite extensive. Those listed here are fine, proven varieties that should give you many flowers. Our plants are well rooted generally with one "leaf" with side sprouts, 3-inch pot size. Our special **Orchid Cactus Cultural Folder** tells how to grow them in detail. **Price 10c.**

**SCARLET GIANT.** Huge 10-inch blossoms of vivid scarlet orange with tapering petals. Penciled orange center stripe. Each.....**75c**

**PEACOCKII.** Huge flowers with broad, undulate, overlapping petals opening nearly flat. Outer petals carmine-red shading into brilliant iridescent blue-violet at the throat. Each.....**\$1.00**

**Dr. Houghton.** Large tri-colored variety. Outer petals crimson-red, inner petals, orange red bordered with bright violet. The throat brilliant electric blue-violet, impossible of description. Scarce. Each.....**\$1.00**

**Amber Queen.** Shiny red outer petals with waved margins, inner petals orange red shading to yellow. Each.....**75c**

**Conway's Giant.** Very large flowers with broad crimson petals overlaid with a purple sheen. Vigorous plant. Each.....**75c**

**HERMOSISSIMUS.** Flowers up to 8 inches with broad full petals brilliant crimson in color, the inner petals orange bordered by violet, the color intensifying toward center. Fine variety. **\$1.00**

**General Garibaldi.** Large vermillion red blossoms. A sturdy plant and good bloomer.....**75c**

**Hermosus.** Large broad petalled flowers. Outer petals deep red with red inner petals shaded with purple and violet.....**75c**

### RED ORCHID CACTUS

A pretty and universally planted variety with bright red flowers, the throat a cascade of white stamens. A vigorous grower, often with triangular stems. Very easily grown, liking quite a bit of water and some shade. Each.....**40c**



# EPIPHYLLUMS



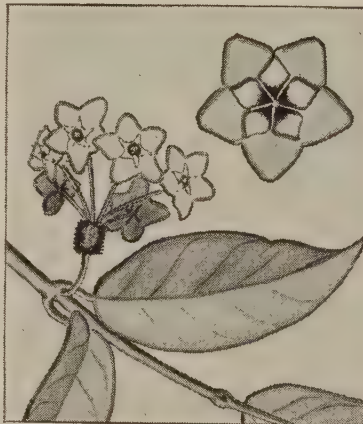
### AN ORCHID CACTUS

A specimen Orchid Cactus growing in a 4-inch pot. The tallest "leaf" is 15 inches long. Nice freely flowering specimens may be grown in 4 to 5 inch pots or pans in any partially sunny window. Specimen, 12-18 inches. **\$1.50** Each.....

### CULTURE OF ORCHID CACTI

In general, they should be treated very much as one would ferns or begonias or even geraniums. This is understandable when one remembers they are **NOT** desert plants but native to the warm upland forests of Mexico and Central America. They enjoy a quite sandy but rich soil from which surplus water quickly drains away. They like plenty of water during the growing season from March to September, never allowing them to become dry. Feeding with Cactus Food greatly stimulates growth and flowering. If possible they like being put out under a tree in summer, where they will make lusty, well matured growth sure to bloom, after the winter's rest, in April, May and June.

A soil of gritty sand, leafmold and light, rich loam in about equal proportions suits them nicely. Do not overpot them. An average plant as shipped should not have a larger pot than 4 inches until well established. Plants always root quicker in small pots where the roots have better access to the air. Winter them in a cool place above 45 degrees.



### WAX VINE

Though not a cactus, it needs the same treatment as the Orchid Cacti. **Hoya carnosa** has exquisite pink, wax-like flowers with shining deep green leaves often mottled with silver. It is a familiar plant to the window garden devotee and always scarce. Moisture and partial shade. 3-inch pot plants.....**75c**

### RICE CACTUS

**Rhipsalis cereuscula** is an old favorite with arching terete stems, bearing many white blossoms in late spring, followed by white mistletoe-like berries. Likes shade and moisture. Grows easily. Each.....**35c**



### CHRISTMAS CACTUS

#### Crab's Claw Cactus

The beautiful Fuchsia-like blossoms are seen from December till March, when other flowers are scarce. Easy to grow in light sandy soil, with moderate waterings and shade. A native of the cool Organ Mountains of Brazil, where it grows up in the trees with the Poncorn Cacti. Nice plants, 3-inch and 4-inch, **50c**; 2-inch and 3-inch.....**35c**

**Joseph de Laet.** Handsome. Outer petals scarlet, frilled inner petals scarlet and violet, shading to pale orchid at edges, with salmon center stripe. **\$1**

**PROF. EBERT.** A lovely variety with full open flowers of a bright violet carmine. Excellent shape, stems triangular, pale green. A beauty.....**75c**

**Sun Goddess.** Gigantic flowers of extremely silky texture. Rich burnt orange with dark violet central eye. A handsome plant.....**\$1.00**

**Valencia.** Rich burnt orange with lavender tints. A very fine variety.....**75c**

**Moonrise.** A splendid white blossom opening almost flat. Very free flowering. Each.....**90c**

**Oriole.** Extremely large flowers, quite cup-shaped, outer petals yellow, inner pure white. Sturdy variety.....**75c**

**Strictum.** White flowers with very long slender tube.....**50c**



# or Orchid Cacti

**O**RCHID CACTI are amongst the easiest grown of all cacti while their blossoms surpass even the Orchids in their brilliant coloring and size. The huge flowers, like giant water-lilies, are up to 10 inches in diameter. The glowing satiny petals display a rainbow iridescence. Vivid and clear are the shining reds in all shades from scarlet to deep crimson, bright are the pinks, salmon, orange reds, snowy white, white and gold. And more beautiful if possible are the bicolors with scarlet outer petals and effulgent violet throats.



**AGATHA**

This is a singularly beautiful variety with perfectly formed blossoms. The color is a rich warm pastel pink difficult to describe, the center having an eye of darker red-pink. The petals are of a lovely satiny texture. A sturdy short stemmed variety and free in bloom. Each..... **75c**

## RAINBOW COLLECTION COLLECTION Q15

**3** Beautiful Orchid Cacti particularly selected for their brightness and long blooming season. A fine group to start with. These or similar varieties our choice:

- GLORIA.** Bright red.
  - AGATHA.** Warm pink.
  - PEACOCKII.** Bicolor carmine and violet.
- Three choice varieties postpaid..... **\$2**

- PADRE.** Waxy bell-shaped, warm pink blossoms of elegant form. Extremely free flowering..... **75c**
- Argus.** Clear pink blossoms deepening to a rosy blush at the center. Handsome..... **75c**
- LATONA.** Many petalled flowers of rose pink tinged with violet. Broad overlapping petals informal shape. Very handsome and extremely free flowering..... **75c**

## MISTLETOE CACTUS

A compactly branched plant, *Rhipsalis mesembryanthemoides* has white flowers and mistletoe-like berries. The short joints have slightly woolly areoles. Likes some shade and generous waterings. Each..... **35c**



**GLORIA** (Two-fifths Natural Size)

A magnificent variety with gorgeous flame colored flowers 9 inches across. Its season of bloom is one of the longest flowers, being found from April till August. Very easy to succeed with, always moderate in size. I think it one of the most outstanding varieties and recommend it to my patrons. Plants each..... **75c**



**EMPRESS**

- The loveliest long-keeping pink blossoms imaginable. No spines. Beautiful in corsages. An old favorite in window gardens, where it thrives, producing a fine display of the daintiest pearl-pink blossoms. Flowers last for weeks. Likes a light sandy loam with leafmold and sand. Partial shade with moderate to generous waterings. Each..... **75c**
- Pink Nymph.** Warm rosy-pink flowers with widely overlapping and distinctly ruffled petals. Very pretty..... **75c**
  - Madame Sallier.** Light flesh-pink flowers with darker stripe in center of each petal..... **75c**
  - Flamingo.** Large trumpet shaped flowers of burnt orange tinged with pink deepening to magenta at the center..... **75c**
  - Lohengrin.** The large flowers open clear pink with age deepening to magenta..... **75c**
  - Pink Gloria.** Clear pale pink with nearly white center. Lovely blossom..... **75c**
  - Livingston.** Carmine flowers shading to lavender with deep pink stripe. Each..... **75c**
  - Phyllanthoides grandiflora.** Large carmine-red flowers, inner petals lavender edged with orange..... **75c**

- SCHEHERAZADE.** Large flowers of clear pink. Each day the flower deepens until it becomes magenta pink. It is a reliable bloomer of neat habit. Each..... **75c**
- Magnolia.** Large white cup-shaped flowers. Fragrant..... **90c**
- Sacuntala.** Narrow striped petals, terra cotta to orange, edged with carmine..... **75c**
- Mons. Jolibois.** Handsome red petals, edge purple..... **75c**

## THANKSGIVING CACTUS

A hybrid Christmas Cactus with salmon pink blossoms borne in November and December. Pretty and choice with same shaped flowers and stems. **75c, 50c and..... 35c**

## RHIPSALIS

We have a good collection of these scarce plants. *Rhipsalis capilliformis.* Intricately branched, **40c.** *R. grandiflora,* **75c.** *R. pachyclada,* **40c.** *R. pachyptera,* **50c.** *R. paradoxa.* Link Cactus. Very odd. Fine, **50c.** *R. pentaptera,* **75c.** *R. rhombea.* Undulate joints, **40c.** *R. teres.* Long stems..... **40c**

- Chiapasia Nelsonii.* Rare..... **\$1.00**
- Hatiora salicornioides.* Spice Cactus, **50c.** *S. bambusoides*..... **75c**

## SNOWDROP CACTUS

*Rhipsalis Houlettiana*

A lovely and graceful epiphyte from Brazil, where its arching stems gemmed with white bells lighten the forest gloom. An old favorite but always scarce. The stems are long and slender with flat leaf-like blades. Likes shade and moisture..... **50c**





# Mamillarias

## or Pincushion Cacti



**OLD LADY CACTUS**

The long silken tresses of this superb species place it in a class by itself. The snowy white hair increases in length and thickness with age. *Mamillaria Hahniana* is always a show specimen and always attracts attention. Quite easy to grow. Likes a light position and moderate watering. 1½-2 inches, 85c. 1-1¼ inches..... **50c**

### MAMILLARIAS

#### GENERAL COLLECTION

Our collection of Mamillarias is quite extensive. Those listed here are all well worth growing. It is not possible to illustrate them all so you will find some of the prettiest in this list. Later we will put out a specimen list

**Mamillaria angularis.** A handsome species with much white wool in the flowering axils. Large red flowers, 3½-4-inch clusters, \$1. 2-inch ..... **50c**

**Mamillaria angularis longiseta.** 2-inch, **75c**; smaller ..... **35c**

**Mamillaria arida.** Lower California..... **50c**

**Mamillaria Bachmannii.** 1-inch ..... **35c**

**Mamillaria balsasensis** ..... **75c**

**Mamillaria bocasana.** See next page. Large clustered, **75c**; large ..... **50c**

**Mamillaria Brandegeei.** Rare ..... **50c**

**Mamillaria Bullardiana.** Rare. Very pretty hook spined species. Slender, tall and much branched. Fine 4-6 inch clustered specimens, \$1; smaller ..... **50c**

**Mamillaria calacantha.** A lovely species with yellow spines and vivid red flowers. Large 3-inch flowering specimens, \$1; 2-inch, **50c**; small ..... **25c**

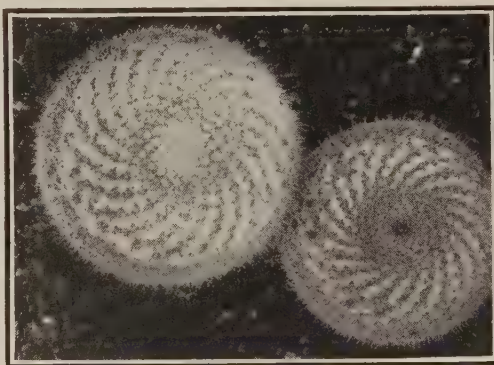
**Mamillaria carnea.** A fine vigorous species, pale green, with darker spines and pink blossoms. 3-inch, **75c**; small..... **25c**

**Mamillaria carnea rosea.** Vigorous growing, **50c** and ..... **25c**

#### SILKEN PINCUSHION

##### *Mamillaria bombycina*

Perhaps the loveliest of all Mamillarias, certainly one of the most sought after. Its handsome lacy spine pattern is exquisite in its perfection. Each nipple is tipped by a star of 30-40 white radial spines with one longer red-tipped, hooked central. Between the nipples is white wool, the crown a snowy mass. Lovely pink blossoms. Large, \$1.50 and \$1. Nice..... **60c**



**DIADEM CACTUS**

##### *Mamillaria Werdermanniana*

Don't fail to have this lovely winter flowering cactus. The bright red flowers are a beautiful crown nestling among the white hair and spines. They flower in late winter and always attract the greatest attention among our visitors. We have an specially fine lot of 3 and 4 year old specimens. **25c**  
Flowering, **50c**, **35c** and.....

**Mamillaria centricirra rosea.** 2 and 3 inch specimens, \$1; smaller ..... **25c**

**Mamillaria chinocephala.** A beautiful white spined species of caespitose growth forming graceful clusters. 2-3 inch flowering..... **\$1**

**Mamillaria compressa.** I have some very fine specimens of this grand species. 2-3 inch single heads ..... **50c**  
Clusters of several heads..... **\$1 to \$2.50**

**Mamillaria compressa superba.** A fine variety with long white spines. Choice branched specimens ..... **\$1.50**

**Mamillaria confusa.** A very pretty species with pale straw-yellow flowers. 2-inch flowering, **50c**; nice ..... **25c**

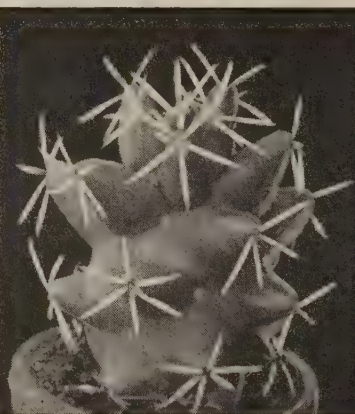
#### MAMILLARIA POLYTHELE

A popular tall growing variety with few spines, often with only two. Flowers carmine red, abundantly produced throughout the summer. 2½-3 inch, **50c**. Smaller flowering, **35c** and..... **25c**



#### STAR PINCUSHION

*Coryphantha* clava is remarkable, with white spine stars tipping each nipple. Very easy to grow and flower. It makes a handsome specimen growing to a foot in height and branching freely. Large specimens, 6-7 inches, **75c**; 4-5 inches, **50c**; smaller, **35c** and..... **25c**



#### MAMILLARIA WEISINGERI

A lovely specimen plant of neat appearance. Quick growing, shortly forming a nice specimen crowned by a chaplet of ruby red flowers. 3-4 inch specimens, **\$1.00**. **25c**  
Smaller, **50c** and.....



**MAMILLARIA CELSIANA**

An attractive species with yellow spines, each nipple with a woolly axil. Flowers bright red-pink. With age it forms most beautiful large clusters. Though it grows easily, it is not a common plant. Fine colorful specimens, 1½-2 inches..... **25c**

**Mamillaria durispina.** A vigorous growing species with stout spines tipped black and ruby red flowers, **35c** and..... **25c**

**Mamillaria elegans.** Silver Pincushion. A lovely white spined species with black centrals and bearing dark pink blossoms in late spring. One of the choicest specimens. Fine flowering plants, 2-3 inch, **75c**; smaller, **50c**; small..... **25c**

**Mamillaria elegans potosina.** Handsome..... **35c**

**Mamillaria elegans Schmollii.** Quite white with black tipped centrals. Branches freely. 2-3 inch ..... **75c**

**Mamillaria flavovirens.** Quite rare. 1½-2 inch ..... **50c**



## CULTURE OF MAMILLARIAS

**M**OST of the Mamillarias thrive under much the same treatment in the window garden. They like plenty of light and fresh air. A daily airing of the room is helpful whenever outside conditions make it possible. However, cacti will thrive under conditions which would kill most house plants. Common sense and avoidance of extremes are one's best guides.

Mamillarias with green stems and darker spines are the most vigorous growers. Those with white, closely set spines seem to come from the driest regions and often from limestone country. For this reason we recommend a quite porous soil with crushed egg shells or old plaster or limestone grits, such as is fed to chickens, to supply the lime. However, all varieties like the lime. Our **Soil Conditioner** is useful and our **Cactus Compost** needs only the addition of loam and sand to make a perfect cactus soil. You will find our Compost exceedingly economical, as one 75 cent package will make 6 to 10 quarts of excellent compost.

Mamillarias will grow in almost any soil, but for the expert who likes to take pains we recommend 2 parts gritty sand, 1 part sandy loam and 1 part leafmold or Cactus Compost with a sprinkling of limestone. Some like to add either bricks crushed to the size of peas or charcoal with the intention of keeping the soil open and "sweet." Their growing season is from April till fall, when they may be watered whenever dry, particularly if they have plenty of sunlight. During the winter when dormant less moisture is needed. If placed outdoors in summer they will show their appreciation by vigorous matured growth.

**Mamillaria hidalgensis.** Fine red flowers. Tall growing with white woolly top. 3-inch, 50c; smaller, 35c and....25c

**Mamillaria Hoffmanniana.** Recurved spines. Each.....25c

**Mamillaria Kunthii.** Handsome white spined. Specimens, 2 1/2-3 inch .....\$1

**Mamillaria Kunzeana.** A beautiful Powder Puff variety. Rare. 35c and .....25c

**Mamillaria melanocentra.** Long central spines tipped with black. Rose-red flowers. 2-inch flowering, 50c; smaller specimens .....35c

**Mamillaria microhelix.** Lovely golden spines. Small.....25c

**Mamillaria mystax.** A handsome species. Flowering 3-inch, 75c; 2-inch, 50c; smaller .....35c

**Mamillaria nigra.** Flowering 2-3 inch.....35c

**Mamillaria occidentalis.** Very rare. Cluster forming.....50c

**Mamillaria Petterssonii.** 3-4 inch.....\$1

### OWLS EYES

Short pure-white spines. The heads divide into 2 to 3 or 4 heads, thus making a most interesting specimen. **Mamillaria Parkinsonii** specimens, 4 heads, \$1.00; 2 to 3 heads, 75c; singles, 50c; small.....25c

**Mamillaria fuliginosa.** Tall growing, solitary, stem dark green, spines dark, flowers red. 2-inch, 35c; smaller .....25c

**Mamillaria Galeotii.** A very distinct and handsome variety with long curved amber spines and orange red blossoms. Large 4-5 inch specimens, \$1; nice 1 1/2-inch.....25c

**Mamillaria Guelzowiana.** Handsome. Very rare. Nice.....\$1

**Mamillaria Guerreronis.** A rare white spined species. 1 1/2-in.....35c

**Mamillaria Gigantea.** A very large growing species, 6-8 inches in diameter. 4-5 inch, \$1; 3 inch, 50c; nice plants .....35c

**Mamillaria Hamilton Hoytae.** A rare and brilliant carmine-red flowered species. Large blooming size, 2-3 inches .....50c

### SNOWBALL PINCUSHION

**Mamillaria candida**

An exquisite plant of purest white, the tips tinged pink at times. Always scarce, these specimens were imported. All are mature plants without a blemish. Large 3-4 inch flowering specimens, \$1.50. Handsome 2-3 inch beauties, each.....\$1



Pocatello, Idaho.  
February 21, 1947.

Dear Sir:

Here is a picture of my cactus collection. I now have 150 varieties. Of all the ones I have received those from your gardens are by far the most healthy and vigorous. I have had quite a few blossoms the past two years since I have hardened my heart and withheld water so that they could have their needed winter rest. My Aloe, Rebutia and Epiphyllum are now in bloom and the mimicry plants are busy with their fascinating yearly change. I'll take Cacti for my hobby above everything else.

MRS. SAXON B. OLSEN.

### CACTI AND SUCCULENTS

#### And How to Grow Them

A splendid booklet explaining the care, watering, propagation, grafting, seed sowing, etc., of both Cacti and Succulents. A good practical guide to success. It's a book every cactus grower should get with his first order! Fully illustrated. Sixty-eight pages. Postpaid.....50c

### GOLDEN STARS

The lovely, popular Mam. elongata should be in every collection. Each nipple tipped with a shining golden star. Young plants are soon formed in abundance about the base. When mature it may be 6 inches tall and have 100 arms. Sandy soil, partial shade. 7-12 heads, 50c; 3-5 heads, 35c; beginning to branch.....23c

### BIRD'S NEST

**Mamillaria camptotricha**

Feathery yellow spines that are papery soft and harmless. The plant is much given to clustering young plants pushing out from the sides. Flowers pale yellow. Likes moisture. Large flowering clusters. 3-4 inch, \$1.00; 2-inch, 50c. Nice.....25c

### MOTHER OF HUNDREDS

**Mamillaria compressa**

A pretty variety with white spines and brilliant ruby-red flowers imbedded in masses of white cotton, giving the plant the appearance of being covered with snow. It eventually branches forming close packed mounds with scores of heads. Flowers in winter. 2-inch, 50c; small.....30c

Dear Mr. Johnson:

I have had very good luck with the cacti received from you. They arrived in excellent condition, regardless of the cold weather. The Giant Starfish Flower has bloomed every fall for the last three years. The flowers are sixteen inches across. Am looking forward to ordering more in the future.

Sincerely yours,

MISS IRENE WAGNER.

Creekside, Pa.

### VAUPEL'S PINCUSHION

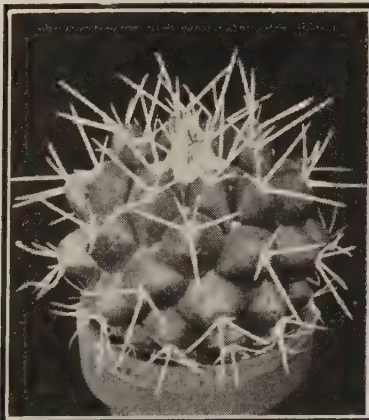
**Mamillaria Vaupelii**

One of the prettiest of the smaller, richly colored Pincushions. Beautiful when the sun is shining through the glossy amber spines! The plants are solitary and may eventually reach 3 inches across. Flowering, 3-inch, 75c; 2-inch, 50c; small.....25c

### PINCUSHION

**Mamillaria kewensis**

A rapid growing species of which our customers write it often reaches a foot in height in 3 or 4 years. With age the upper plant is covered with white wool. Blooms freely with crimson flowers. 1 1/2-2 in., 35c; 2 1/2-3 inch, 50c; fine 1-inch .....23c

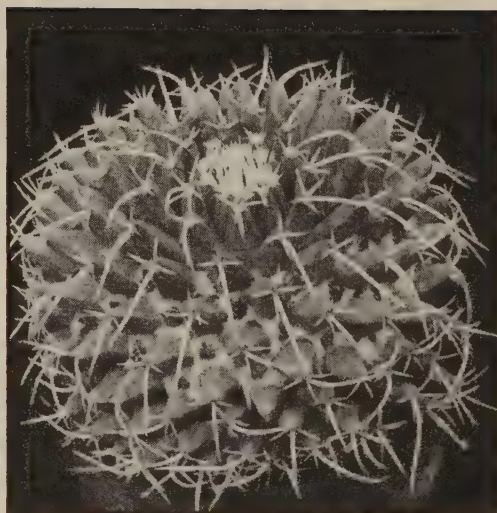






### CORAL CACTUS

The Coral Cactus is one of the prettiest of all, with its circlet of coral red berries and charming cream flowers. The berries burst forth ripe and scarlet, taking only a day or so to appear, as they mature within the plant from the earlier blossoms. Grows easily, fruits profusely. Mature 2-3 inch fruiting specimens. **50c**



### BIRDS FOOT PINCUSHION

*Mamillaria centricirra*

A lusty species from the high tablelands of Mexico. Flowers cream, striped with pink, in March. A quick, easy grower and free bloomer. Single heads reach 3 to 4 inches in diameter and with age form clusters. Large flowering, 3-4 inch, \$1; 2-inch, 50c; smaller. **23c**



### MORNING STAR CACTUS

A free flowering plant. Grows easily, making a pretty specimen. Seed pods bright red. *Mamillaria pygmaea* is one of the group, with fat stubby roots. Partial shade, moderate watering. The central spine of each cluster is hooked. Nice. **25c**



### JELLY BEANS

A cute new variety of the Thimble Cactus, *Mam. fragilis minima*, with finer spines and many branches, each of which will grow. **22c**

*Mamillaria macrantha*. Large red flowers **25c**

*Mamillaria magnimamma*. Large nipples. **50c and 25c**

*Mamillaria Pringlei*. Golden yellow **50c**

*Mamillaria Pringlei columnaris*. 1 1/2-2 inch **50c**

*Mamillaria perbella*. White spines, 1 1/2-2-3 eyes, **40c**; smaller **25c**

*Mamillaria Pfeifferi*. Fine yellow spined species. Choice. Small **25c**

*Mamillaria rhodantha*. A lovely species with varicolored spines, red to yellow and crimson flowers. Small **25c**

*Mamillaria rhodantha chrysacantha*. Yellow spined. 2-3 inch. **50c**

*Mamillaria rhodantha Pfeifferi*. Handsome bright shining yellow. Small **25c**

*Mamillaria rhodantha rubra*. **25c**

*Mamillaria Sartorii*. A handsome winter blooming species. Very choice. Nice. 1 1/4-1 1/2 inch. **35c**

*Mamillaria sempervivi*. Pink flowers **35c**

*Mamillaria Sheldonii*. Rare hook spined. Large pink flowers. **35c**

*Mamillaria Solisii*. Very rare. **60c and 35c**

*Mamillaria sonorensis Hiltonii*. Splendid large vivid carmine flowers. New. Flowering 2-inch. **50c**

*Mamillaria spinosissima sanguinea*. Glorious species **50c**

*Mamillaria Standleyi*. A very rare species. Nice **40c**

*Mamillaria supertexta*. Very choice handsome species. Spines very white, short and numerous. Large, 2-2 1/2-in., **75c**; smaller. **50c**

*Mamillaria tetraacantha*. 1 1/2-2 inch flowering **35c**

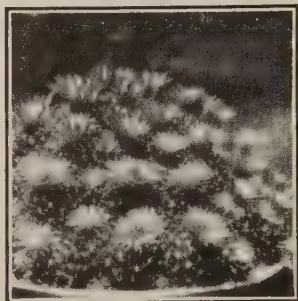
*Mamillaria trichacantha*. Like Powder Puff **35c**

*Mamillaria uncinata*. Stout hooked spines. 2-inch flowering. **40c**



### GRAPE CACTUS

A dainty little cactus bearing an endless number of "pups," each one of which will grow. Your friends will enjoy growing a youngster. Clusters seldom exceed 2 inches. *Mamillaria multiceps* is very easy to grow. Sun or partial shade, moderate waterings. Cream colored blossoms followed by scarlet seed pods. Clusters. **20c**



### BUTTER PINCUSHION

Lovely shining yellow blossoms. *Dolichothele sphaerica* bears long soft green nipples which will grow if planted! Flowering size. **35c**

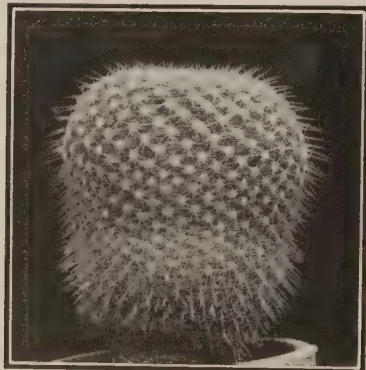
### FROM HAWAII

Gentlemen:

Received the cacti I had ordered from you in excellent condition. I was surprised and pleased, as Hawaii is such a distance from California. They were so nice and large and healthy looking. I want to thank you for the gift plants and for labelling them.

MRS. IRENE N. FURTADO.

Waikoa, Maui, T.H.



### MAMILLARIA MARTINEZII

Handsome pale yellow spines, flowers bright red in beds of white wool. You will like it. 3-inch flowering, **35c** \$1. Fine plants.



### MAMILLARIA DEALBATA

A handsome species with pure white spines bearing crimson blossoms in April, followed by scarlet pods. You should have this in your collection. Likes a sunny position with moderate waterings. Fine 2 1/4 to 3-inch flowering, **75c**; 2-inch, **50c**; nice bright 1-1 1/2 inch. **35c**



PEANUT CACTUS  
Nice plants. **25c.**

PINCUSHION  
Pretty. **25c.**

BIRD'S NEST  
Yellow spines. **22c.**

RED DRAGON  
FLOWER  
Curious. **20c.**

XMAS CHEER  
Red Tipped. **20c.**

FLOWERING PINCUSHION  
Handsome carmine red flowers. **25c.**

CURIOSITY COLLECTION No. Q9. The above 6 plants. You will enjoy planting this attractive group in a pot or bowl for a cheerful breakfast nook. All six. **\$1.10**





### BLACK DRAGON FLOWER

The fascinating easily grown *Huernia Pensis* bears pretty black bells all summer long. It is found in South Africa. It quickly forms nice small clusters. Likes sandy soil, moderate water, and in summer more. Clusters, 35c and..... **20c**

### CACTI SEED

Cacti grow readily from seed which germinates in from 7 to 30 days, depending upon heat and moisture conditions. You will enjoy trying your hand at growing them. Fresh seed from our own plants. Full planting instructions with every order.

### MIXED CACTI SEED

Contains more than 20 kinds, including *Mamillarias*, *Cerei*, *Echinopsis*, *Piptanthocerei*, *Trichocerei*, *Cleistocacti*, *Echinocereus*, *Echinocacti*, etc. Fresh seed. You will have fun growing them. Per packet..... **50c**

### DE LUXE MIXTURE

Superb mixture made up of over 75 species of cacti and succulents. There are no weedy species included. Many are rare kinds collected from our own plants. All cacti seedlings are pretty and many bloom within two years. Put up in two packets of fine and coarse seeds. The collection..... **\$1.00**

### MIXED LIVING ROCK SEED

There are many kinds of Living Rocks and we have one of the finest collections in this country. All seeds are grown by us. *Pleiospilos*, *Dinteranthus*, *Lithops*, *Lapidaria* and many others are included in this selection. Per packet..... **50c**

## The NEW SAND CULTURE for CACTI

Hydroponics is the scientific name for growing plants in culture solutions. This new science is rapidly proving its worth and for the cactus enthusiast has especial points of interest. One may grow his plants in clean porous sand, thus at once preventing any possibility of over watering. This is of particular interest to collectors where warm, dry or sunny weather is at a premium. Many choice or difficult plants thrive under this treatment for cactus roots, when well fed, enjoy spreading in the air-filled sand.



### VITAMIN B-1

Wright's B-1 Tablets  
For use in any Soil

Works miracles on cacti, often bringing refractory plants into bloom. Don't fail to use this wonder working solution. Better Homes and Gardens tests on Cacti reports wonderful success attained in flowering slow plants. Particularly valuable to stimulate new root growth after transplanting. We use it regularly at our nursery.

Each tablet makes 1 to 2 gallons of solution. 150 tablets, with full instructions..... **50c**

## JOHNSON'S SAND CULTURE KIT

COLLECTION H-23

Complete instructions on growing Cacti and Succulents in sand with nutrient solutions. Simplifies watering. Makes the most difficult desert plants of easy culture. Particularly useful where winters are long and damp.

12½-gallon package Plant-Chem, 150 tablets Vitamin B-1, 1 bottle Johnson's Cactus Food—All Postpaid..... **\$1.10**

### MINIATURE CACTI SEED

A choice mixture of the finest toy cacti, including rare *Parodias*, *Notocacti*, *Gymnocalyciums*, *Mamillarias*, *Echinopsis*, etc. Fifteen or more of the prettiest small growing types. Full instructions for planting. Per packet..... **50c**

### CHOICE SUCCULENTS

A fine mixture containing many rare species of *Mesembrianthemums*, *Crassulas*, *Cotyledons*, *Echeverias*, *Anacampseros*, *Aloes*, *Casterias*, etc., from our huge collections. All collected from our own plants. Many interesting things. Per packet..... **50c**

### MIXED PINCUSHION SEED

*Mamillarias* are one of our specialties and this mixture contains a very pretty and representative group. They germinate readily and can be flowered in two years. You will enjoy them. Per packet..... **25c**

### STONE FACES MIXED SEED

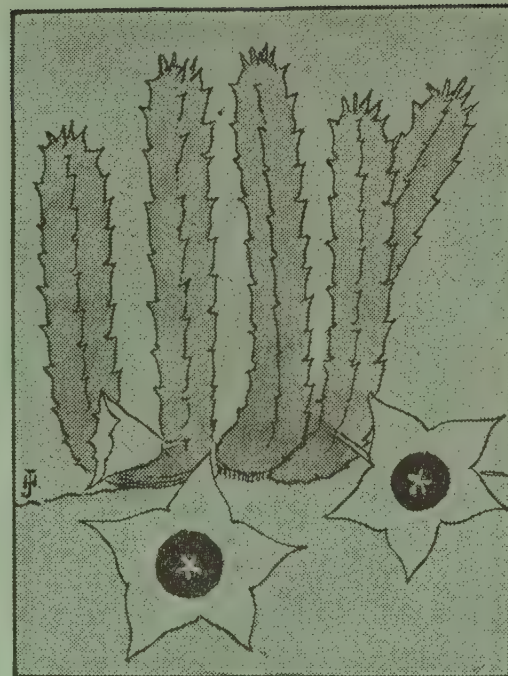
The Stone Faces or *Lithops* are the prizes of every collection. These handsome, interesting and entirely novel plants germinate quickly. You will have seedlings in two weeks! Per packet..... **25c**



### STONE FACES

Own a collection of these lovely *Lithops*! Your friends will not believe them real! The favorites of every collector. Very sandy soil, moderate watering when dry.

<i>Lithops alpina</i> . Grows large. Large.....	25c
<i>L. Aucampiae</i> . Large. Dark red. Fine.....	20c
<i>L. Comptonii</i> . Dove grey. Flowers yellow.....	20c
<i>L. Framesii</i> . Dove grey. Many spotted.....	20c
<i>L. Fullerii</i> . The loveliest. Pink. Fawn lined.....	20c
<i>L. fulvicaps</i> . Pink tan. Spotted olive.....	20c
<i>L. Herrei</i> . Speckled blue grey.....	20c
<i>L. Inornata</i> . Spotted tan. Yellow flower.....	20c
<i>L. karasmontanum</i> . Fawn. Brown lines.....	20c
<i>L. kunjasensis</i> . Reddish yellow. Dark lined.....	20c
<i>L. Lercheana</i> . Pinkish brown. Dark lines.....	20c
<i>L. Lesliei</i> . Brown. Green dots. Yellow flower.....	25c
<i>L. Marthae</i> . Blue grey.....	20c
<i>L. mickbergensis</i> . Bright pink fawn. Lined.....	20c
<i>L. Mundtii</i> . Large. Brown. Spotted.....	25c
<i>L. olivacea</i> . Green, olive spotted. Yellow flower.....	20c
<i>L. opalina</i> . Milky rose. Faintly marked.....	20c
<i>L. Peersii</i> . Dove grey. Many dotted.....	20c
<i>L. pseudotruncatella</i> . Large. Brown. Spotted.....	25c
<i>L. Schwantesii</i> . Rosy brown. Red pattern.....	20c
<i>L. summitatum</i> . Rosy tan. Dark lined.....	20c
<i>L. turbiniformis</i> . Large. Red, dark lined.....	20c
<i>L. undausensis</i> . Violet grey. Grey pattern.....	20c
<i>L. Ursulae</i> . Pink tan. Bright brown pattern.....	20c
6 Varieties. My Selection. Set.....	\$1.00
12 Varieties. My Selection. Set.....	2.00



### RED DRAGON FLOWER

The pretty *Huernia Schneideriana* bears delicately beautiful flowers with velvety red petals and black center. Flowers all summer. Moderate waterings. Sun or semi-shade. Nice clusters, 35c. Smaller..... **20c**



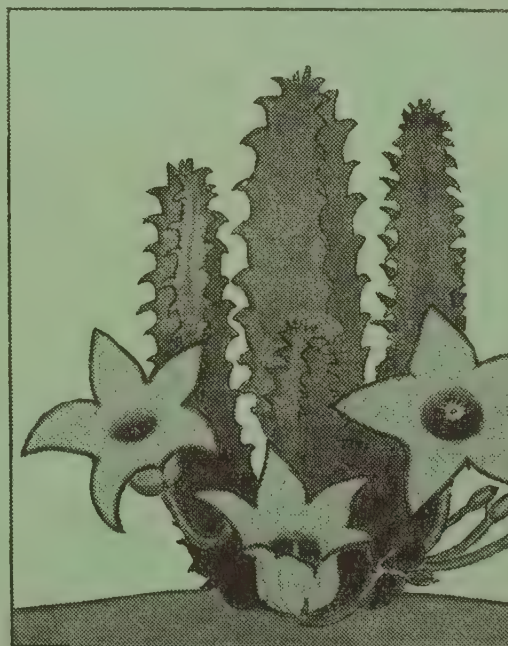
### TIGER JAWS

The *Faucarias* are a most interesting and free flowering group with queer, toothed and often spotted leaves. Flowers large and bright yellow, produced in great profusion in September and October. Sure to bloom.

<i>Faucaria acutipetala</i> . Long teeth.....	25c
<i>F. albidens</i> . White rimmed.....	30c
<i>F. arabidae</i> . Small compact clusters.....	25c
<i>F. Blue Queen</i> . Hybrid. Blue green.....	25c
<i>F. Bosscheana</i> . White rimmed. Small clustered.....	25c
<i>F. carinata</i> . Short thick leaves.....	25c
<i>F. cradockensis</i> . Heavily toothed.....	25c
<i>F. felina-Jamesii</i> . Much toothed.....	25c
<i>F. longidens</i> . Slim green leaves.....	25c
<i>F. longifolia</i> . Slim bluish leaves.....	25c
<i>F. lupina</i> . Long heavy teeth.....	25c
<i>F. Ryneveldiae</i> . Long slim leaves.....	25c
<i>F. sulrueteria</i> . Heavy thick leaves.....	25c
5 Varieties My Selection. Nice plants.....	\$1.00
10 Varieties My Selection.....	\$2.00

### YELLOW DRAGON FLOWER

Pretty primrose yellow flowers. Stems short, sharp angled, blue green. *Huernia primulina* bears bells in clusters at the base of the stems in late summer and fall. Moderate waterings. Clusters, 35c and..... **25c**



### PLANT-CHEM SALTS

Now Grow Prize Cacti the Easy Way

Cacti grown in pure sand and watered regularly with this nutrient solution make a healthy, vigorous, normal growth. Contains, in scientific proportions, the thirty chemicals needed in the growth of all plants.

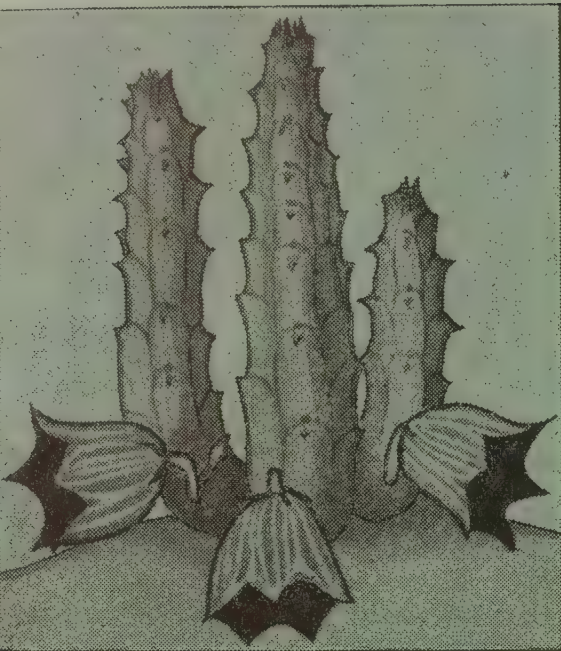
16-gallon package, post-paid..... **30c**

100-gallon package, post-paid..... **\$1.10**

400-gallon package, post-paid..... **\$2.10**







### KENYA DRAGON FLOWER

A pretty Dragon Flower with dark crimson-red, bell shaped flowers. *Huernia keniensis* is an easy and vigorous grower and flowers from spring to cold weather. Clusters, 35c and ..... **25c**

## TERMS

This catalog cancels all previous catalogs and prices. Please do not order from old catalogs as plants are often out of stock.

### I GUARANTEE SAFE DELIVERY

### ANYWHERE IN U. S. OR CANADA

No Shipments During December

**MINIMUM ORDER FOR FREE DELIVERY IS \$2.00.** Orders for less must include 25c extra to cover packing costs.

**FREE DELIVERY** on all orders amounting to **\$2.00** or more.

**HOW TO REMIT:** By check, postal note, money order or stamps. When stamps are sent I appreciate larger denominations. 10c to 50c.

### NO C.O.D. ORDERS ACCEPTED.

**HOW TO SHIP.** By guaranteed Parcel Post, which delivers directly to your door. All plants are passed by State Horticultural Inspectors to insure freedom from insect pests. They are packed by experts in strong, especially made boxes, heavily insulated from cold and clearly marked **Rush—Perishable—Tender Plants.**

**OWING** to our doubled costs and very low prices we have had to raise our minimum free delivery order to \$2.00. Otherwise we would have to raise all catalog prices. Orders for less than \$2.00 please add 25c for packing.

### MAY WE SUBSTITUTE IF OUT?

We have fine stocks of all items offered, but owing to the great number of items listed we ask if you will add to the bottom of your list two or three second choices.

## CACTUS HELPS

### COLLECTION P-21

Items to make the growing of your plants easier and more enjoyable. Included here are all the things to root and grow your plants except loam and sand. Sand may be purchased from poultry houses or builders. Loam from garden or hillside.

Book, "Cacti and Succulents and How to Grow Them."

75c package Cactus Compost.

Johnson's Cactus Food.

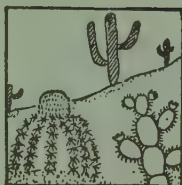
Johnson's Cactus Soil Conditioner.

Quart of Cactus Hardwood Charcoal.

Cactus Insecticide and Leaflet.

50 Wooden Plant Labels.

7 Items to Make Cactus Growing Easy. Postpaid ..... **\$3.00**



# SUPPLIES for CACTI

Few things are needed in the growing of cacti more than interest and a desire to form an increasing collection of them. However, for the city dweller and more serious collector I am offering a few things that may make their culture easier. The things we offer are the things we ourselves use.

## JOHNSON'S CACTUS FOOD

A very effective fertilizer with a good organic base, the ingredients of which are blended and proportioned to help your plants to make normal matured flowering growth. It is not a soluble fertilizer but should be scattered over the soil, a level teaspoonful to a 4-inch pot, three or four times during the growing season after the plants are well established.

Light applications every three or four weeks during the growing season, only are more effective than heavy applications.

12-ounce Bag ..... 50c

2-pound Bag ..... \$1.00

## ROOTWELL

Want to raise Cactus cuttings? Our new triple hormone powder for rooting refractory cuttings of all kinds designed particularly for quickly rooting Cacti and Succulents. Sterilizes the cut surface and induces luxuriant growth of roots. Apply dry with finger to fresh cut.

Full Directions. Per Package ..... 50c

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## JOHNSON'S CACTUS SOIL CONDITIONER

Of great assistance in keeping cacti in good health, it is designed to add the minerals ordinary garden soils often lack. Desert soils are often high in mineral content, for there is little rain to leach them away. A spoonful of my Conditioner placed about a Cactus plant and stirred lightly into the soil will often bring an ailing one back to health. Mix it with your potting soils.

Small Size, 10 Ounces. Postpaid ..... 60c

Large Size, 32 Ounces. Postpaid ..... \$1.00

## JOHNSON'S CACTUS COMPOST

### Mix With Your Own Sand and Soil

An economical compost for Cacti and Succulents which when mixed with equal or larger quantities of both sand and light loam makes a very suitable soil for all desert plants. Composed of our recycled sclerophyllous leafmold, lime, gypsum in the proper proportions for all potted cacti. A light and bulky mixture, the same as we use in our own potting soils for both seedling and specimen plants.

Per Peck. Postpaid ..... 1.95

4 Pints or 2 Pounds to Make 6-10 Quarts of Potting Soil. Postpaid ..... **75c**

## OUR SPECIAL CACTUS LEAFMOLD

A recycled, sclerophyllous desert leafmold, sifted, light and dry. Mixed with equal parts of both sand and loam, it makes a fine, economical cactus soil.

32-ounce Bag ..... 70c

## HARDWOOD CACTUS CHARCOAL

Useful in keeping cactus soils sweet and aerated. Helpful in heavy soil.

Per Quart ..... 35c

## CACTUS INSECTICIDES

Our special instruction sheet describing common cactus pests and treatment, with spray formulas. We recommend Red Arrow Spray as effective and non-injurious to cacti or other house or garden plants.

Instruction Sheet and Bottle of Red Arrow Spray. Postpaid ..... 40c

**VOLCK SPRAY.** An oil spray recommended for any kind of scale insect and for mealy bug. These two insects are hard to kill, as they have a waxy covering which repels water. We have used it for years, but only recently has it been put up in small bottles. 4-ounce bottle pre-paid (with orders only) with chart describing cactus pests. Full instructions for use ..... 50c

## BLACK ROT PREVENTIVE

With light waterings, fresh air and sun rot will not appear. If through too much watering plants turn black and watery its spread may be checked by saturating the top soil with a Semesan solution. It is useful also to spray tiny seedlings to prevent "damping off" or rotting.

1/3-ounce envelope, with cactus instructions ..... 20c

2-ounce pkg., with cactus instructions ..... 50c

## WRIGHT'S VITAMIN B1

Works miracles on cacti, often bringing refractory plants into bloom. Don't fail to use this wonder working solution. Our customers report success, particularly when used on old plants. Also to stimulate new root growth after transplanting. Each tablet makes 1 to 2 gallons.

50 Tablets, with full instructions for cacti. Bottle ..... 50c

## PLANT CHEM SALTS

Cacti grown in pure sand and watered regularly with this nutrient solution make healthy vigorous growth. An occasional watering of all your house plants will supply the rare minerals sometimes lacking.

16-gallon pkg., with full instructions ..... 30c

100-gallon pkg., with full instructions ..... \$1.10





#### HAIRY STARFISH FLOWER

Handsome, velvety purple "stars" 4 inches across, each petal fringed with soft violet hairs!

Nice clusters, 50c and..... **35c**

**PLANT BONUS!**  
On orders of \$3 or more  
choose 10% in free plants

**FREE  
DELIVERY!**

ON ALL ORDERS OF \$2  
OR MORE. 25c PACK-  
ING CHARGE ON ORDERS  
FOR LESS THAN \$2.

#### Please Fill Amount of Money Sent

Money  
Order \$.....

Cash.....

Stamps.....

Checks.....

If stamps are sent we  
appreciate 10c to 50c

#### Your Order

Is this your 1st order ☐

2nd ☐ 3rd ☐ 4th ☐

(Please Check)

#### PLEASE NOTE

This catalog cancels all previous  
catalogs and prices. Please don't  
order from old catalogs, as plants  
may be out of stock.

NAME.....DATE.....

STREET or P. O. BOX.....

CITY.....STATE.....

**NOTE!** Orders for less than \$2.00 must include 25c extra to cover packing costs.

★ To assist us in promptly filling your orders please write letters on a separate sheet.

★ When you unpack your order look for my free booklet, "The Culture of Cacti."

#### TO OUR FRIENDS

To avoid delay will you  
give us two or three extra  
plants at the bottom of your  
order to use only if we are  
out of items ordered.

We have ample stocks and  
do not expect to run short of  
plants, but authorized sec-  
ond choices may save time  
and correspondence.

If no choice is given may  
we use our judgment? ☐

#### QUESTIONS?

Owing to present condi-  
tions it is increasingly diffi-  
cult to answer correspon-  
dence regarding culture, etc.,  
promptly without greatly in-  
creasing the costs of our  
products. We beg your in-  
dulgence for delays. All  
orders go out promptly.

Leaving room in your let-  
ter for answers to your  
questions will help us serve  
you better. Stamped self ad-  
dressed envelope for replies  
are greatly appreciated.

#### CACTUS BOOKS

Have you subscribed to the  
**Cactus and Succulent Journal?**  
A treat for the fan! 12 is-  
sues .....\$3.00

#### "Cacti and Succulents and How to Grow Them"

68 pages and many photo-  
graphs of cactus and succu-  
lents. Plain information on  
the care of your plants. Much  
recommended .....50c

#### "Cacti for the Amateur"

110 colored pictures, 150  
cactus photos. Full informa-  
tion. Cloth binding. Post-  
paid .....\$2.60

#### "Succulents for the Amateur"

800 succulents described.  
167 pages crammed with in-  
formation. 400 illustrations,  
85 in color. Cloth. Post-  
paid .....\$2.60

QUANTITY

PLEASE ORDER ALL SPECIAL COLLECTIONS BY NUMBER

No C.O.D.

CHOOSE 10% IN FREE PLANTS ON ALL ORDERS OF \$3.00 OR MORE



# CACTUS BOOKS

These fascinating plants have a most interesting and comprehensive literature. You are missing half the pleasure of this amazing hobby if you do not have these illustrated and instructive reference books to turn to when you want to learn further about your acquisitions or intended purchases. You will learn more about the countries from which they come, about the conditions under which they grow and what other amateurs have learned about them. Books are getting scarcer and in the past year many have been sold out and are not available.

## CACTUS AND SUCCULENT JOURNAL

A monthly magazine published by the Cactus and Succulent Society of America. A well illustrated magazine of the greatest interest and one that will keep you up to date on what is going on in the cactus world, of the newest plants discovered, of the trips of collectors into far countries and culture of a never ending variety of plants. You can also get in touch with your local society and collectors near you. A really worthwhile periodical.

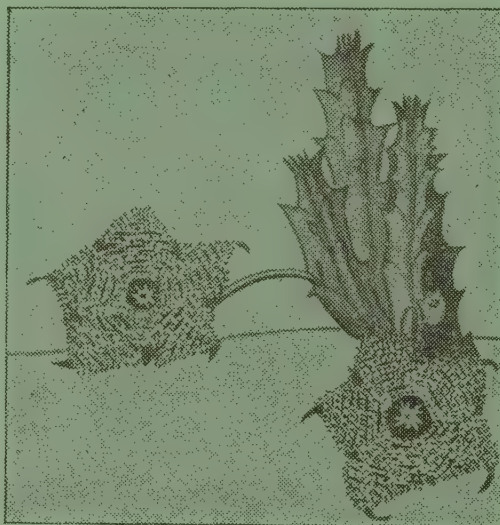
Cactus and Succulent Journal subscription and year's membership in the Society..... **\$3.00**

## EPIPHYLLUM HANDBOOK

A splendidly illustrated new book on these popular plants, many pictures in color. Their history and culture and all about them. 240 pages, 190 illustrations, 11 color plates. Postpaid..... **\$3.60**

## THE CULTIVATION OF SUCCULENTS

A splendid book by Europe's greatest cultivator of Succulents, **H. Jacobsen**, Curator of the Botanic Gardens, Kiel, Germany. Full notes on the home of Succulents, their growth forms and how they live, uses, cultivation, seed setting and sowing, leaf and cutting propagation, pests, etc. A real guide to Succulent culture. Cloth bound..... **\$1.25**



## WOOLLY DRAGON FLOWER

*Huernia hystrix* (One-half natural size)

A lovely species whose star-like blossoms are covered with soft yellow and red papillae on a yellow ground. This curious blossom will well repay you for its care. Clusters..... **\$3.50**

## EUPHORBIA

One of the largest of all genera of plants. Many are amongst our prettiest and most sought after succulents. We have a very large collection of rare species.

*Euphorbia acruensis*, 75c-\$1.50. *E. antiquorum*, 50c. *E. Bojeri*, 50c. *E. bubalina*, 35c. *E. canariensis*, 75c. *E. caput-commelini*, 75c. *E. coerulescens*, large, \$1.50. *E. echinus*, 35c. *E. enopla*, 40c. *E. ferox*, 75c. *E. fruticosa*, 75c. *E. globosa*, 50c. *E. heptagona*, large, \$1.00. *E. Hislopilii*, \$1.00. *E. horrida*, \$1.50. *E. inermis*, \$1.00. *E. ingens*, \$1.00. *E. lactea*, 50c. *E. Morringii*, 75c. *E. officinarum*, 75c. *E. ornithopus*, 75c. *E. polygona*, 50c. *E. pseudocactus*, 40c. *E. Royleana*, \$1.00. *E. resinifera*, 35c and 50c. *E. Susannae*, \$1.00. *E. tridentata*, 75c. *E. tubigilans*, 75c. *E. valida*, 75c. *E. Winkleri*, \$1.50.

## THE STUDY OF CACTI

By Vera Higgins, M.A., F.L.S.

For those who want to know more about their plants. This is a simply written book easily understood by the beginner, yet at the same time is technically accurate. Fine chapters on cultivation, on why plants have Latin names, descriptions of cactus genera or groups and classification. If you really want to know the why and the wherefore, this is your book. Revised 1946 edition. Postpaid..... **\$3.00**

## MAMILLARIA HANDBOOK

A complete book about these interesting cacti, 390 pages, 300 fine illustrations and descriptions of all known species. A complete bibliography and annotated list of all published names for the past 150 years. By Dr. Robt. T. Craig. Postpaid..... **\$7.70**

## BRAZIL AND ITS COLUMNAR CACTI

A splendid account of a trip through Brazil looking for Cacti by a famous botanist, Dr. Werdermann. Postpaid..... **\$3.15**

## THE STAPELIEAE

All there is to know about the Starfish Flowers and their allies. 1,233 photos and many colored plates. Three deluxe volumes, 1,200 pages. Buckrum binding. Express collect..... **\$12.50**

## THE EUPHORBIEAE

Two new volumes on the succulent South African Euphorbias. 1,000 pages, 1,100 photos. A real manual. Express collect..... **\$12.00**

## CULTURE FOLDERS

A series of small folders in which I have described the general care of special groups of succulents, etc.

Stonefaces and other Mimicry Plants. Their culture and other notes..... **10c**

Starfish Flowers. How to care for a collection, propagation, etc. .... **10c**

Euphorbias. Their culture and growth..... **10c**

Mexican Succulents. Echeveria, Pachyphytum, etc. Their care..... **10c**

Epiphyllums and other shade loving Cacti. Their care and flowering..... **10c**

## BOWIEA VOLUBILIS

### CLIMBING ONION

This very rare and unique succulent has a large, green, tunicate bulb that sits on top of the soil, after it reaches the size of a walnut! It may reach 4 inches in diameter. From the top it periodically sends forth a twining shoot up to 8 feet long that bears a filmy tangle of fern-like leaves and green flowers. After the foliage turns yellow withhold water three or four months. When watered again it will send forth another shoot. A real curiosity and quite easily grown. A few large 2 1/2-3 inch bulbs, \$5. Smaller, \$1. Smaller plants..... **50c**

## STAPELIAS

Our collection of Stapeliads is quite extensive and we have many rare species as well as all the better known kinds. With one or two exceptions we have representatives of all known genera. The list is far too extended for this catalog. We have a special list which will be sent to collectors of these curious and handsome plants. Ask for Rare Succulent List.

## RARE SUCCULENT LIST

For those interested in rare plants we have compiled a list of those which we cannot find space for in this catalog. Lithops, Conophytums and other Mesembis, Haworthias, Stapeliads, Echeverias, Euphorbiads, Anacamperos and other curious and rare plants are offered in this list. Sent free to customers only.

## CHRISTMAS GOLD

A cheerful note with its bright golden leaves. Easy to grow and a fine contrast in a dish garden. Nice ..... **20c**

## CRASSULA

Mostly African succulents with great diversity of growth. Porous loam, moderate waterings and light without too much full sun.

*Crassula corallina*, 20c. *C. cordata*, 20c. *C. corymbulosa*, 20c. *C. Dregeana*, pink hybrid, 40c. *C. Justus-Corderoy*, 20c. *C. lactea*, 20c. *C. montis-draconis*, 35c. *C. pachyphylla*, 50c. *C. Purcelli*, 20c. *C. Schmidtii*, 20c. *C. lycopodioides*, 20c. *C. tetragona*, 20c. *C. tomentosa*, 30c. *C. trachysantha*, 20c.

## COTYLEDON

A large genus often with charming blossoms and many odd forms. Culture as for Crassula.

*Cotyledon Dinteri*, \$1.00. *C. macrantha*, 40c. *C. Walkeri*, 25c. *C. Pillansii*, 25c. *C. undulatum superbum*, 50c. *C. Wallichii*, \$1.00. *C. sp. nova*, Near Wallichii, \$1.00.

## BULBINE

Liliaceous plants with pretty spikes of flowers. *Bulbine caulescens*, 25c. *B. Triebneri*, 25c.

## RUSSET STARS

*Caralluma Nebrownii*

A striking species, the stems heavily mottled with dark maroon on a silvery green ground. Plants form clusters. Flowers dark red brown in some cases almost black. Likes a sunny location, very moderate waterings. Nice..... **35c**







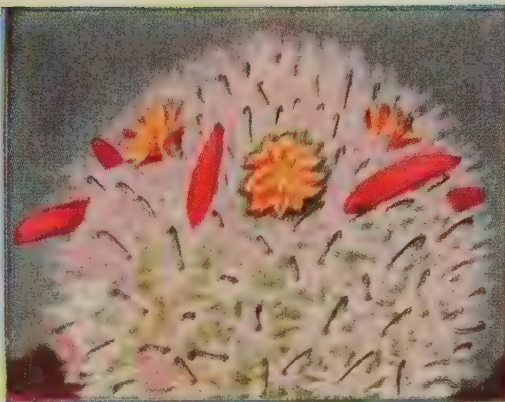
**THIMBLE CACTUS**  
*Mamillaria fragilis*

Like the "Old woman who lived in a shoe" this little cactus has more children than she knows what to do with. Pure white, harmless spines and every little baby will quickly grow. Each..... **22c**



**RUBY DUMPLING**  
*Mamillaria tetraacantha*

A quick growing cactus with bright crimson flowers and, with maturity, a hoary white head. It has long been a favorite with sturdy growth and vigor. 1½-in. and 2-in., 35c; 1-in. and 1½-in., each..... **23c**



**POWDER PUFF**

Like a bursting cotton ball this little plant is clothed with silky, snow-white hair instead of spines, though it bears one tiny hooked one on each slender nipple. Bears cream colored flowers and very attractive bright red, curved seed pods. A jewel among cacti. Very easy to grow with sun or partial shade, moderate waterings. Large clusters, \$1.00; specimens, 50c and 35c; nice 1-inch plants..... **22c**



**LADY FINGERS**  
*Mamillaria elongata Schmollii*

A dainty gem and so easy to grow. Each little plant is a bright mosaic of rich golden, harmless spines. Quickly forms fine specimens. Nice clusters, 35c each; single..... **25c**

**MEXICAN JEWEL COLLECTION Q10. THESE FOUR CHARMING PINCUSHIONS ONLY..... 80c**



**HER CACTI FLOWER WELL**

Dear Sirs:

I have had a number of orders from your nurseries and am well pleased with your plants. I now have over 100 different Cacti and several are in bloom in this photo. Thanks for your courteous service.

MRS. A. HEPNER,  
Box 335 F, Rte No. 4, Toledo, Ohio.

**Mamillaria Waltheri.** A low flat-topped species with white blossoms and crimson pods. Large flowering..... **50c**

**Mamillaria Zahniana.** Rare. 1½-2 inch..... **60c**

**Mamillaria Lloydii.** Rare species with many small nipples. Flowering, 1½-2 inch..... **35c**

**Mamillaria longicomma.** Cotton Cactus..... **30c**

**Mamillaria Bravoae.** Lovely new white spined species. Very choice. Small..... **25c**

**Mamillaria bucarilensis.** A fine species with dark spines. Very rare..... **25c**

**Mamillaria Johnstonii.** A very rare species from Lower California..... **35c**

**MAMILLARIA KARWINSKIANA**

A splendid species with dichotomously branching deep green heads and cream colored flowers with a pink stripe down each petal. Club shaped, scarlet berries. Easy to grow. Nice 1 to 1½ inch plants..... **25c**

**MAMILLARIA HOFFMANNIANA**

A pretty species and one the beginner will enjoy. With age the crown becomes hoary white and during summer a continuing circlet of red flowers push out through the soft white wool. Nice plants..... **25c**

**MAMILLARIA PSEUDOCRUCIGERA**

A very choice specimen with pure white spines. Crowned in spring with a chaplet of pink blossoms. With maturity it branches. A new one for the collector. 3-inch flowering, \$1.00; 2-inch..... **50c**



**GNOMES PINCUSHION**

A very satisfactory variety that flowers when quite small. *Mamillaria decipiens* branches profusely, soon being almost smothered in youngsters. Very easy to grow and flower. The young plants may be detached and root up quickly. Larger, 35c; each..... **25c**

**JOHNSON'S CACTUS FOOD**

A safe reliable plant food to keep your cacti in good health and induce flowering. It is especially useful for the very sandy soils, cacti like. Full instructions.

12-ounce bag..... **50c**  
2-pound bag..... **\$1**

**JOHNSON'S CACTUS SOIL CONDITIONER**

Of great assistance in keeping cacti in good health. It is designed to add minerals ordinary garden soils often lack. Desert soils are high in mineral content, as there is little rain to leach them away.

Small size. 10 ounces..... **60c**  
Large size. 32 ounces..... **\$1**

**MAMILLARIA DISH GARDEN**  
COLLECTION No. Q11

A very pretty selection arranged to plant a 6-inch pottery bowl. If the plants are watered carefully, NEVER soaking them, you may use a glazed dish without a hole in the bottom.

5 Colorful Pincushion Cacti..... **\$1**

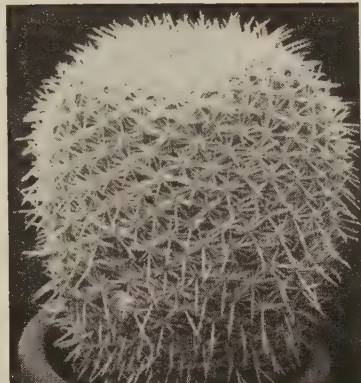
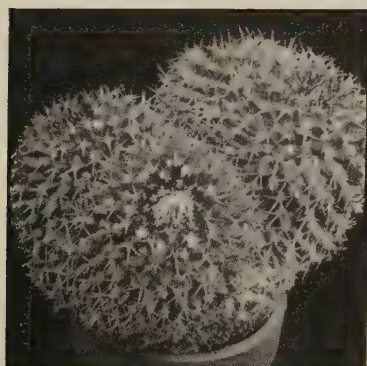


**LADY FINGERS**

One of the daintiest of all with golden yellow stars tipping each nipple. Branches very freely, growing quickly into nice clusters. It is a dwarf variety, often producing 5-10 arms the first season. Nice clusters, 3-5 heads, 35c; 7-10 heads, 50c; single heads..... **20c**

**FISH HOOK PINCUSHION**

An extremely free flowering little plant. *Mamillaria Wildii* is always a favorite. The spines are harmless, with one tiny hooked one tipping each nipple. Grows and flowers in sun or shade. Sandy soil and moderate waterings. Flowering, 35c and..... **25c**







### DAYAM'S TREE CACTUS

One of the best fruiting and flowering kinds. Bears big tomato-like half-pound fruits, quite fragrant and delicious. Tree-like in habit. 8-10 in., 75c; 4-6 in., 35c; 2-3 in. 25c

### NEW PERUVIAN CACTI

These are some of the new or rare cacti collected in Peru by Mr. John Akers during the past three years. Mr. Akers is well known to the cactus fraternity about Los Angeles and is well equipped both by enthusiasm and technical training to clarify the relationships of Peruvian Cacti. The unnamed species with numbers will later be identified.

**Armatocereus laetus.** A large grey-green much branched cereus, 12 to 16 ft. tall. 4-5 inches...\$1

**Armatocereus matucanensis.** Similar. 4-5 in....\$1

**Binghamia acrantha.** 3-10 ft. tall, much branched. Pretty russet spines. Nice plants. 1-2 in....35c

**Binghamia acrantha grandispina.** A new heavy spined variety .....75c

**Binghamia fragrans.** A new species with fragrant flowers .....50c

**Borzicactus sp.** Very large flowers. No. 41-6.75c

**Cereus sp.** A tree cereus, probably new genus. No. 19-6 .....\$1

**Cereus (Borzicactus).** No. 64-6. Yellow spined. Lovely .....40c

**Corryocactus brachypetalus.** Columnar, 6-12 ft., branching from base. Flowers deep orange red.35c

**Haageocereus Olowinskianus.** Handsome russet spines .....75c

**Loxanthocereus decumbens (Vaupel).** Akers. White spines tinged red .....75c

### PERUVIAN OLD MAN

A dainty, elegant Old Man covered with pure white cotton. *Espostoa lanata* grows very easily and quickly and its cottony puffs always attract envious attention. It is found at high elevations in Peru and may grow to 8 feet tall. It enjoys a light loam soil with semi-shade or full sun and moderate watering. 4-5 inch, \$1.00. 25c



# CEREUS

## and its ALLIES

A NOBLE group of cactaceous plants widely distributed over North and South America, being particularly abundant in the better watered regions. With few exceptions, they are easy to grow, having vigorous root systems and often rapid growth. They vary greatly in the way they grow, some forming immense branched trees almost 50 feet tall, while others may be tiny species clustering for protection at the feet of their lordly kin. The climbing Queen of the Night and her relatives frequent wet tropical jungles, clambering high in the trees, opening their snowy blossoms in the airy lofts above the jungle floor. The tree-like varieties are mostly seen on the lower slopes of the mountains and mesas, a few ascending almost to the snowline. They seem to be at their best where it is temperate or warm and where there is a fairly moist summer period, although this may be followed by long months of drought. During the few months of the year when the rains and the sun are favorable they make their growth, expand their glorious blossoms and mature their often large and colorful fruits. As the rains cease the plants are plump with their stored moisture, ready to face their lonely vigil through the parched and blistering months to come.

**Loxanthocereus ferruginispinus.** A lovely species with yellow red tinged spines.....35c

**Maritocereus nanus.** A new plant described as very floriferous .....50c

**Melocactus Jansenianus.** Small .....40c

**Melocactus nobilis.** Small .....40c

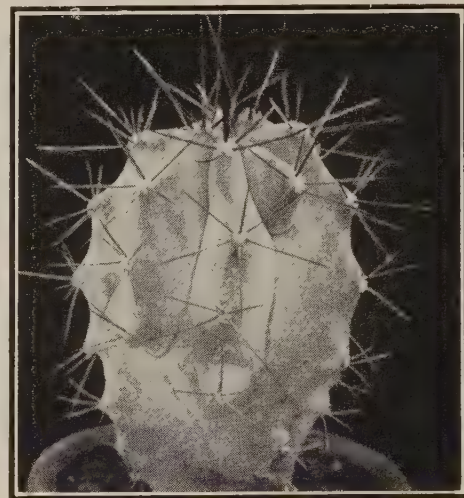
**Melocactus rubrispinus.** Small .....40c

**Melocactus spiralis.** Small .....40c

**Morawetzia sp.** A new species of this rare genus with a white pseudocephalum. Fine plants. 3-5 inches .....35c

**Peruvocereus albicephalus.** A new genus and species. All Peruvocereus are lovely, colorful plants for specimens. Mature plants of this species are hoary headed .....50c

**Peruvocereus albisetatus.** Lovely yellow spines tinged red. Older plants white.....75c



### POWDER BLUE CEREUS

*Lemaireocereus pruinosus*

A lovely blue white species, charming during every stage of its growth. Colorful in dish gardens. Much recommended. A good plant to start with. Likes a sandy soil and moderate watering. Sun or semi-shade. 2½-3 inches, 35c; fine bright plants.....20c

### CLEISTOCACTUS

A very popular genus containing some of our prettiest and most consistent bloomers. Flowers tubular, zygomorphic, bright red. From South America.

**Culture.** A light loamy soil with moderate waterings. Sun or semi-shade.

**Scarlet Bugler.** *Cleistocactus Baumanii*. See page 24 for color illustration. Each...22c

**Cleistocactus cuzcoensis** .....\$1

**Cleistocactus Herzogianus** .....\$2

**Cleistocactus Morawetzianus.** Rare.....\$2

**Cleistocactus smaragdiflorus.** A very lovely species. Flowers bright red, petals tipped with green. Plant bright with rich chestnut colored spines. Attractive. 5 inches. Ea...35c

**Cleistocactus tupizensis.** A handsome and very rare species with pale yellow and red quite long spines. Flowers dark crimson. Fine specimens. 12 inches, \$1; 6 inches.50c

### BEAUTIFUL CLEAN PLANTS

Dear Mr. Johnson:

I received my order last week and every cactus is simply beautiful. I am very, very satisfied. The plants are so healthy and strong looking, so nice and clean. I have never bought cacti anywhere that were so healthy and beautiful. This is my third order and I will want more this summer. I also want to thank you for the gift cactus sent.

Thanks again,

MRS. A. F. WEYROUGH.

Buffalo, New York.



### SNAKE CACTUS

*Nyctocereus serpentinus*

Beautiful fluted stems, thickly starred with red and grey spines. Very easily grown and one of the most pleasing. With me it is always a prime favorite either in flower or for its handsome, graceful columns. Deliciously fragrant blossoms! Full sun or semi-shade with moderate waterings. 10-inch and 12-inch, 25c; 6-inch and 8-inch, 35c; small.....

**Peruvocereus albispinusus.** Beautiful white spines .....35c

**Peruvocereus aureispinus.** Pale yellow spines .....35c

**Peruvocereus clavatus.** Red tinged spines...35c

**Peruvocereus flavispinus.** Bright golden yellow .....35c

**Peruvocereus salmoneus.** Bright tinged orange .....50c

**Peruvocereus setosus.** Yellow tinged red...35c

**Peruvocereus viridiflorus.** Lovely golden spines .....35c

**Pseudoechinocereus splendens.** A very distinct and lovely flowered new monotypic genus. Very scarce. Small.....\$1

**Cereus. Blue Giant.** A new giant cereus probably a new genus. Grows to large size, with beautiful blue branches. Nice plants...35c

### CACTUS JOURNAL

Have you subscribed to the Cactus and Succulent Journal? 12 splendid issues fully illustrated. A joy for the cactus fan.....\$3.00





### SILVER TORCH

This lovely *Cereus* is an arresting plant with its white glossy columns clothed with glossy silvery-white spines. In summer there are quantities of bright red, tubular blossoms clustered thickly on the taller stems. *Cleistocactus Straussii* is very easy to grow, liking a light loamy soil with moderate water. Sun or part shade. Fine 3 to 4 inch plants. **25c**

### MOON CACTI

#### ERIOCEREUS

Great favorites with their profusion of snow white blossoms and attractive crimson fruits. Kept in 5 to 6 inch pots and well fed during their summer growth, they rarely fail to flower abundantly. They will stand full summer sun.

**ERIOCEREUS BONPLANDII.** This is a glorious plant and a prime favorite. The stout stems are triangular, not heavily armed, upright, but should be tied up when they become long. They flower throughout the summer till late fall. One plant we have bears scores of blossoms, often as many as 10 at one time. Blossoms 8 inches across. Nice. 4-6 inch **25c**

**Eriocereus Martinii.** A lovely, extremely free-flowering species. The white flowers are followed by scarlet fruits. Large 8-12 inch, **50c**; Nice 2-4 inches **35c**

**Eriocereus Regelii.** Pink Moon Cereus. A very free flowering slender species. Flowers a lovely shade of pink. Very choice. Nice. 2-4 in. **35c**

**Eriocereus tortuosus.** A very spiny variety with handsome ruffled flowers. A consistent bloomer. Each **35c**

### HARDWOOD CACTUS CHARCOAL

Useful in keeping soils sweet and aerated. Very useful in heavy soils. Makes a good covering for seeds. Full directions for use. Per quart, postpaid **35c**

### ONE OF OUR CACTUS HOUSES

In our greenhouses are scores of thousands of cacti and succulents. Here the tiny seedlings are cared for for the first years of their life. The tiny green globes from the sprouted seeds are replanted twice before they reach their final quarters. This is a slow painstaking process and requires constant attention. When they reach adequate size they are moved outside to develop the hardiness our plants are noted for. You are cordially invited to visit our growing houses. Fanciers will find scores of rare plants not listed in our catalogs.



## CULTURE OF CEREI

Cerei are, with few exceptions, vigorous growers, and are of easy culture, presenting no particular problems to the cultivator. They have vigorous roots and thrive splendidly in a compost of one part of sandy loam, one and one-half parts gritty builders sand, one part leafmold or our Cactus Compost, and a sprinkling of Cactus Soil Conditioner. They will grow almost anywhere, but prefer a sunny position in the window garden with plenty of fresh air. In summer they may be put out in a hot sunny location such as under the eaves near the house foundation. (Caution: Protect during first two weeks from full sun to prevent sun scald.) They will show their appreciation by extraordinarily fine natural growth. Such matured growth insures flowers.

Practically all cacti are happiest in medium sized pots. For though in the wilds their roots may ramble over considerable distances, tracing out the pockets of humus laden soil, yet in cultivation oversized pots generally become sodden and sour, which will mean sickly yellow plants. It is interesting to note that the healthy feeding roots are always found clinging to the porous, air-filled sides of the pots and not in the middle of the ball. 3, 4 or 5-inch pots are quite ample for plants up to 15 inches tall.

In winter rest your plants (plants like animals need rest) by gradually withholding water till eventually only enough water is given to keep plants barely plump. Never at this season give your plants a soaking! Always water lightly and on bright days. Wetness in dull weather causes rotting.

### JOHNSON'S CACTUS COMPOST

#### Mix With Your Own Sand and Soil

An economical base for a most satisfactory cactus soil. It is the base of our own potting soils. Peck boxes, \$1.95; 2-pound bags. **75c**

### JOHNSON'S CACTUS FOOD

A safe, gentle food for cacti. For use with established plants. 2-pound bags, \$1.00; 10-oz. bags. **50c**

### CACTUS SOIL CONDITIONER

Of great assistance in keeping cacti in good health. It is designed to add the minerals ordinary garden soils often lack. Full instructions. 32 oz. **\$1.00** 10 oz. bags. **60c**



### WHITE TORCH CACTUS

Beautiful, popular and exceedingly easy to grow. *Trichocereus Spachianus* is a fine plant for the window garden, with snow-white blossoms. Plants branch only from the base, forming many-headed clumps. Will stand 10 degrees above zero. Nice plants. **25c**

## CEREUS

Most of the cacti formerly put in this genus by botanists have been removed in recent years to new genera listed in this catalog.

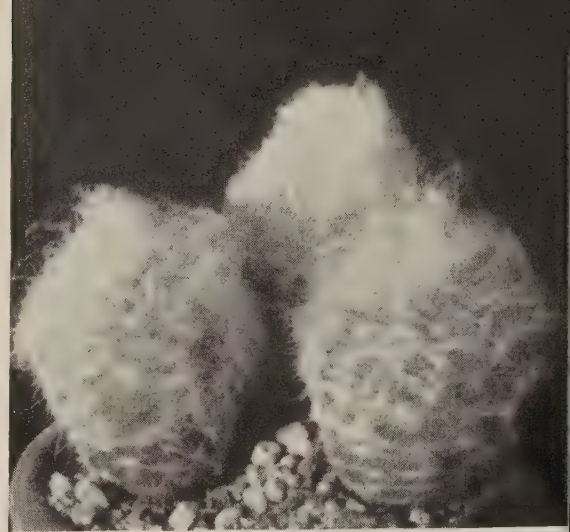
**Cereus aethiops.** Lovely blue stemmed **35c**

**Cereus azureus.** Handsome blue stemmed **35c**



### OUR CACTI IN CHINA

The interesting collection of Miss M. A. Alvares, Kowloon, Hong Kong, China. We have many patrons in China who report our plants are fine.



### SNOW BALL

We are once again able to offer this choicest of the Old Man Cacti. The fine silky-white hair entirely clothes the young plants so that they appear as puffs of white wool. *Pseudoespostoa melanostele* grows easily, liking a light loam soil, moderate watering and sun or semi-shade. May grow to a height of 8 feet, branching above. Native to the high Andean valleys of Peru. Nice snowy plants, 1-inch. **25c**

## HYLOCEREUS

### NIGHT BLOOMING CEREI

A glorious group of night flowering cacti. The huge 10-inch snowy-white to pale cream blossoms open in the evening, closing in the morning. Native to the jungles of Central America. Their stems are climbing and 3-winged.

**Culture.** They like a very sandy soil with leafmold or Cactus Compost and, when growing in summer, feedings with Cactus Food. Water generously and give partial shade. They enjoy being outdoors in the rain in summer.

**Honolulu Queen.** *Hylocereus undatus.* This well known variety has huge 12-inch blossoms, white inside, yellow without. Magnificent in bloom. Likes a warm situation and water. Each. **75c**

**Hylocereus calcaratus.** Large white blossoms. Rare **75c**

**Hylocereus costaricensis.** White stems. Flowers white with red edgings to outer sepals. Handsome! **75c**

**Hylocereus extensis.** Much branched. Stems slender, spiny. Flowers rose-red. Handsome **35c**

**Hylocereus Lemairei.** White stems. Flowers white with yellow outer petals. Sepals laced with crimson. **75c**

**Hylocereus napoleonis.** A very handsome flowered species. Flowers pale, creamy yellow, very large and graceful. Splendid **50c**

**Hylocereus ocamponis.** White stems. Flowers huge, white, yellow and laced with red on sepals. Glorious. **75c**

**Hylocereus polyrhizus.** Stems blotched white and green. A vigorous grower. Handsome blossoms. Outer sepals orange-red, inner yellow grading to white. Fragrant **75c**

### PLEASED WITH HER PLANTS

Received the cacti in fine shape Saturday. They were all so lovely I am sure I will have good luck with them. Thanks for the free one. Will be sending another order soon. MRS. ETHEL ANTEMAM. Albany, New York.

### CURIOSITY PLANT

These novel and attractive cacti never lose their odd method of growth. They are always pretty with their bright chestnut spines and living green stems. Fine for pots. Large specimens, 6-8 inches, \$1.00; nice, 3-4 inch, 50c; fine bright, 1 1/2-2 inch. **35c**







#### RAINBOW CACTUS

One of the handsomest dwarf blooming cacti. Sure to flower and with a long blooming period. Often flower when hardly an inch tall, with blossoms larger than the plants! Likes a rich soil which should be sandy for good drainage. Moderate waterings, sun or partial shade. Flowering size, 35c;  
1-1½ inch ..... **25c**

#### CHAMAEACEREUS

Lovely small plants, growing freely. Flowers red to orange. Sun or part shade.

**Peanut Cactus.** *C. Sylvestrii*. See illustration opposite.

**Chamaecereus Sylvestrii hybrid.** A very pretty orange flowered form somewhat more robust than the species. *C. Sylvestrii* by Lobivia aurea ..... **40c**

#### MACHAEROCEREUS

A rare genus from Baja California growing near the seashore. Very spiny stems, upright or creeping. Moderate water, sandy soil, sun.

**Machaerocereus eruca.** Creeping Devil. A creeping species rooting along the under side as it grows. Spines broad, heavy, short. In the wild the plant always faces the sea ..... **\$1.50**

#### MONVILLEA

A fine flowering genus of medium size. They vary considerably in style of growth, some having tall upright stems, others divaricate, others with almost spineless mottled stems.

**Monvillea diffusa.** Flowers very freely. Bears beautiful, deep red fruits. Nice plants, 6-10 in., 35c; smaller ..... **25c**

**Monvillea Cavendishii.** Tall columnar species. Stems deep green. Flowers large, pure white. Very pretty. Fine, 6-10 in., 50c; smaller ..... **25c**

**Monvillea Amsitsii,** 75c; **M. Spegazzinii,** 50c; **M. sp. nova** ..... **75c**



#### SCARLET BUGLER

You will want this handsomest flowered small cereus. The blossoms are brilliant scarlet and borne all summer long. *Cleistocactus Baumannii* likes generous waterings, 6-7 inch, 35c; 2-4 inch ..... **22c**



#### JOSEPH'S COAT

Handsomely variegated with white, yellow, green and pink, this great favorite is easy to grow. Likes a porous loam and partial shade or sun. Moderate waterings. Very colorful. Each ..... **25c**



#### PEANUT CACTUS

One of the most popular of cacti and easiest to grow. Will often produce 15 or 20 branches in a season. Should be in every collection. Flowers in spring. *Chamaecereus Sylvestrii* likes moisture, sun or partial shade. Nice plants with arms, 35c; smaller beginning to branch ..... **25c**



#### PERUVOCEREUS VIRIDIFLORUS

A very pretty new species with yellow to golden spines. Charming slender stemmed plants branching from the base. Very sandy soil and moderate waterings only when dry ..... **35c**

#### RATHBUNIA

Tall scandent plants with heavily spined branches and bright red tubular flowers. Native to western Mexico. Porous loam, moderate water. Full sun.

**Rathbunia alamosensis.** A tall plant with decumbent spreading branches. Bright scarlet blossoms. Each ..... **50c**

### BOWL COLLECTION Q12. FIVE LOVELY PLANTS FOR A DISH GARDEN ..... **95c**

#### STAR CACTUS

Handsome golden blossoms. Plant spotted with white dots. Very choice ..... **25c**

#### STONE FACE

These Lithops closely resemble beautifully marked pebbles. Very rare. Large. **20c**

#### OX TONGUE

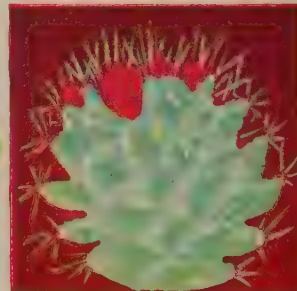
Handsome succulents with spotted leaves. Tall spikes of pink blossoms ..... **25c**

#### AIR PLANT

Grows young plants on the tips of its leaves! Handsome blossoms ..... **20c**

#### DUMPLING CACTUS

Fine for small gardens, for it bears many red blossoms when quite young. Nice ..... **25c**







**OLD MAN CACTUS**

*Cephalocereus senilis*

The long snowy-white hair of this venerable cactus makes it one of the most sought after. My plants are clean and snowy white, with many healthy roots. Small plants ready in September, 25c; large specimens, 12-inch, \$5; 4-6 inch ..... **\$1**



**MOON CACTUS**

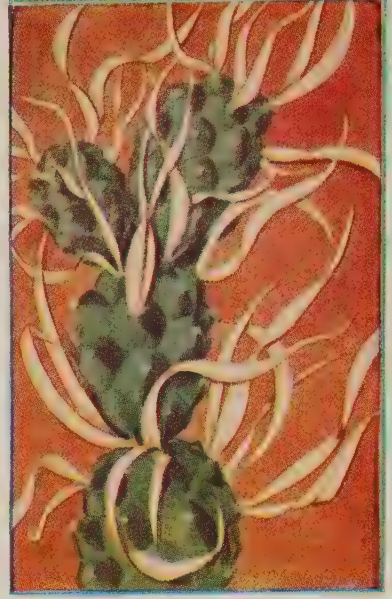
*Eriocereus*

These are very free growing cacti and flower most freely, the large snowy blossoms opening in the evening and remaining open till late morning. Easy to grow, liking a rich loamy soil and moderate waterings. Sun or semi-shade. 3-in. to 6-in., each..... **25c**



**CEREUS HYBRIDUS MONSTRUOSUS**

A strange and monstrous cactus attracting the attention of all who see it. They grow more upright than the Curiosity Plant and soon form most unusual specimens. As easy to grow as any cactus, and never lose their peculiar manner of growth. Fine plants, 2-inch and 3-inch, each..... **35c**



**PAPER SPINED OPUNTIA**

*Tephrocactus glomeratus*

One of the prettiest and most peculiar of cacti. Instead of spines, they have long, white, paper ribbons! Your friends will envy you this fine plant. Easy to grow. Sandy soil, sun, moderate water. Fine plants, each..... **25c**

## PACHYCEREUS

Huge branching plants sometimes 40 feet tall and weighing tons. They are spectacular sights on their native deserts.

**Pachycereus marginatus.** Organ Pipe. A noble species with perfectly straight columns, practically spineless. Branches only from the base, make lovely young plants. Our plants will not be ready for shipment until June. Each..... **25c**

**Pachycereus Pringlei.** A gigantic species native to Lower California. Grows to 40 feet. Young plants are very attractive. 6 to 8 inch plants, **75c**. Young plants ready in June..... **25c**

## GYMNANTHOCEREUS

A recently described genus somewhat like Borzicactus, but bearing naked flowers and fruits with the rudiments of a setaceous pseudoccephalum.

**Gymnanthocereus chlorocarpus.** This extremely rare and recently imported Cereus has a bright green columnar stem. In the wilds of Peru it may reach 10-12 feet. Flowers white, fruit smooth green. 4 to 6 inch fine specimens, each, **50c**; 2-3 inch..... **35c**

## BRAZILIAN ROCK CACTUS

*Monvillea Cavendishii*

A thoroughly worthwhile cactus for those who like flowers. Blooms with amazing consistency throughout the summer months. Flowers are followed by 2-inch oval fruits, crimson in color and very ornamental, as well as good to eat. Rich loamy soil, moderate waterings, sun or shade. Large, 10-inch flowering size, 50c; smaller, 6-inch and 7-inch, 35c; nice plants..... **25c**



**DEVIL'S FINGER**

*Echinocereus Berlandieri* (Two-thirds Nat. Size)

You will treasure this beautiful dwarf plant, which flowers freely in April. Lovely 3-inch blossoms, with lustrous petals enclosing yellow stamens and emerald green stigma. Short finger-like stems. Soon form nice specimen clusters. Very easy to grow on sandy soil with moderate waterings. Flowering clusters, **25c**; smaller, 35c and..... **50c**



**PINK EASTER LILY CACTUS**

*Echinopsis multiplex* (Half Natural Size)

A favorite for 100 years because of its ease of growth and splendid, big 6-inch, fragrant, pink blossoms. No beginner should be without it. Give it generous treatment, light loam soil, moderate waterings and semi-sun. Flowering specimens, **50c**; small, 35c and..... **25c**

## WERKLEOCEREUS

A climbing genus from Central America, with pretty flowers opening at night. The stems, which cling to the tree trunks by aerial roots, are three-angled with few spines.

**Werkleocereus glaber.** Rather slender pale green stems, bearing pretty white blossoms. A quick and easy grower. Rare. Each..... **50c**

**Werkleocereus Tonduzii.** Stout stems dark green in color. Bears handsome white blossoms in profusion. Very rare. Each ..... **\$1.00**

## WILMATTEA

An interesting genus of climbing cerei from Guatemala. The flowers are quite fragrant, pink in color. *Wilmattea minutiflora*. 6"..... **50c**

## MEDIOCACTUS

A lusty climber inhabiting tall trees in the jungles of Central America.

**Mediocactus coccineus.** A very nice plant to trail about a window frame. Nice white flowers..... **40c**  
At Right:

## BEAVER TAIL

*Opuntia basilaris*

The loveliest of all California cacti. Glorious rose-pink blossoms, each glistening petal like crumpled Chinese silk. Sandy soil with moderate watering and full sun or partial shade. 2½-inch to 4-inch..... **25c**







### OLD WOMAN CACTUS

A very striking Mexican plant with long, coarse, white hair. *Echinocereus DeLaetii* will always be scarce as it must be imported. The plants form clusters up to a foot in height. The 4-inch flowers are bright magenta pink. It is a fit companion for the Old Man Cactus and is treasured by every collector. It likes a very sandy soil, in fact thrives in pure sand with a very moderate amount of water. Give it as sunny a spot as possible. Large 5-6 inch clusters, \$1.50; smaller..... **\$1**

### WEBEROCEREUS

The plants of this genus are epiphytic, hanging in festoons from trees in Central American jungles. The branches are long and often thinner than a pencil. Quite pretty in color.

**Weberocereus Biolleyi.** A very nice species for the window garden, as it grows freely, the slender branches pendant and easily trained along the window casing. Flowers bright clear pink even in tiny buds. Very pretty. Likes semi-shade and abundance of water. Each ..... **30c**

**Weberocereus sp. nova.** A lovely round stemmed species with deep pink flowers..... **50c**

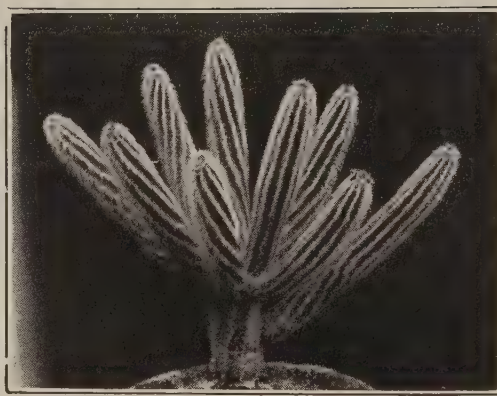
### CORRYOCACTUS

These branching, spiny cerei are native to the very barren desert hills of southern coastal Peru. Flowers orange-red to yellow. There they are omnipresent, often forming thickets.

**Corryocactus brachypetalus.** A tall form with many spines and branching freely from the base. Flowers right on the tip, rich orange. A good specimen cactus. 6-7 inches ..... **50c**

### MOON CEREUS

A fence at our nursery with *Eriocereus Martinii*. They are extremely free flowering, over 100 blossoms when the photo was taken. Flowers succeeded by handsome scarlet apples. Enjoys a rich sandy loam soil, moderate to plenty of water and full sun or semi-shade. While growing in summer feed with Cactus Food. 10-inch plants, 50c; smaller, 5-6 inch, 35c; nice plants ..... **25c**



### LAMBS TAIL

*Wilcoxia senilis*

This dwarf cereus bears wool on its finger-sized branches and during early summer quantities of star-shaped, charming clear pink blossoms. The one illustrated bore 35 lasting some weeks. Grafted on Princess of the Night, on which they grow freely, making long lived specimens. Nice branched grafts..... **75c**

### WILCOXIA

There are several lovely species in this very pretty group, all bearing quite handsome blossoms. They are native to Mexico, where they grow amongst the shrubs, sending their slender arms upward to flower above.

**Culture:** Our plants are all grafted, as they grow more freely in this manner. The stock likes a porous rich soil and a fair amount of water. See below:



### PRINCESS OF THE NIGHT

*Selenicereus pteranthus*

A glorious blossom and one of the largest in the cactus family! It is the most satisfactory and freest in bloom of this group. Grows rapidly and without special care, flowering during the summer. Even small plants will bloom on matured stems. Loam soil, semi-shade and moderate to generous waterings. Large flowering size, 15 to 18 inches, 75c; nice plants, 50c and..... **35c**

**Wilcoxia australis.** A lovely, very freely blooming species. Flowers are clear pink. Branches abundantly. Similar to Lambs Tail. Each..... **75c**

**Wilcoxia Poselgeri.** Flowers large, brilliant cerise-pink with a bright green stigma in the middle. Flowers freely and easily. Very pretty. Each..... **75c**

**Wilcoxia Schmollii.** Like the Lambs Tail but with dark brown wool. Flowers dark pink. Lovely..... **75c**

**Wilcoxia tamaulipensis.** A brilliant blossom. Stem much branched with almost black spines. Rare..... **75c**

**Wilcoxia viperina.** Lovely deep rosy-red blossoms. Plant stiff growing, very tall, seldom branching..... **75c**

**Wilcoxia Rose Queen.** A lovely hybrid between *W. australis* and *W. Poselgeri*, flowers large clear rose pink. Handsome ..... **75c**

### THRIXANTHOCEREUS BLOSSFELDII

A new genus from northern Peru. I have just seen a mature plan and consider it one of the prettiest new cacti I am familiar with. It does not develop its full beauty until it reaches flowering size at about 2 feet. The pseudocephalium is on one side and consists of a copious brush of woolly, white spines. The plant does not branch at all, the body dark green but completely covered with black tipped, grey, bristly spines. Of very easy growth, liking a loamy soil and very moderate waterings. Does best in full sun. 6-8 inch specimens.. **\$1**



### PERUVIAN OLD MAN

*Esposita lanata*

The Old Man Cacti always attract attention because of their venerable appearance. The Peruvian varieties differ from the Mexican kinds, their hair being much finer, like cotton, and grow somewhat more rapidly. They come from high elevations, where they grow on the rocky slopes of the mountains. We have some clean, bright specimens, 6-7 inches, at \$1.50; 4-5 inch beauties, \$1.00; 1½-2 inch, 35c; 1-inch very white specimens..... **25c**



### FLOWERING TREE CEREUS

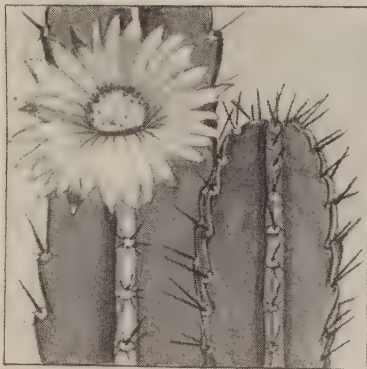
A free blooming specimen plant and pretty even in small sizes. Everyone enjoys *Cereus gonianthus* because of its large lily-like flowers and handsome, sweet fruits. 4-6 inch, 35c; 2-3 inch..... **25c**



### WOOLLY TORCH

A handsome plant, *Cephalocereus Palmeri* is one of the best and most easily grown. Begins to get wispy hair in the areoles when less than 6 inches tall. The plant body becomes a beautiful powdery blue. Blue tip cuttings with long hair, rooted, \$1.50; 7-8 inch, 75c; 6-7 inch, 50c; 3-4 inch..... **35c**



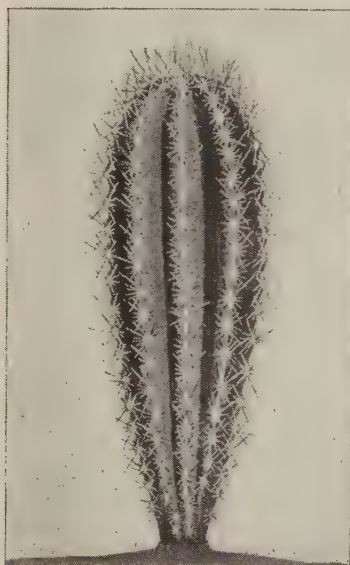


**CEREUS MILESSIMUS**

A handsome tree cereus with many snowy blossoms tinged with red on the sepals. Fruits large, sweet. Give them a rich loam and moderate watering. 5-6 inch, 25c; 2-4 inch.

**Cereus alacriportanus.** A fine, tall, much branched tree. Fruit large, delicious, each 4-6 inches. 35c

**Cereus chalybaeus.** A tall heavy spined species. 35c



**BRAZILIAN TORCH CACTUS**

A handsome Old Man Cereus growing to several feet but charming in all sizes. The deep green stems with low ribs gemmed with white areoles set with soft, shining, tawny spines. Cephalocereus arrabidaei is a quick grower. 6-8 inch, 50c; 2-4 inch. 35c

**CEPHALOCEREUS POLYLOPHUS.** A magnificent, many ribbed, thick stemmed species growing several feet tall. Small plants make prize winning specimens. A noble species. Plants ready after May 30th 25c



**OLD MAN OF THE ANDES**

The Oreocereus are among our very choice plants and now are very scarce. They bear long, wispy, white hairs and stout brown spines. Oreocereus Celsianus grows high in the Andes on barren slopes. They may reach a height of 3 feet. Nice, 1½-2 inches. 75c

## LEMAIREOCEREUS

A splendid group of tree cerei, often reaching a great size. They are found from Mexico to Colombia. The trees are much branched and many bear edible fruit, some being grown for this purpose. Young plants are very pretty.

**Culture:** Young plants like light loam soil and are vigorous growers. Give them plenty of light and moderate waterings.

**Lemaireocereus pruinosus.** See illustration on page 22.

**Lemaireocereus candelabrum.** A very large species linked with L. Weberi. Seedlings very pretty. Nice plants after June 1st 25c

**Lemaireocereus Hollianus.** A beautiful, bolt upright species with long spines and few branches. Used for fences in Mexico. A very fine plant. Ready after June 1st 25c

**Lemaireocereus Weberi.** A huge species from central Mexico. Forms a much branched tree. Young plants are quick growing and very attractive. Ready after June 1st. Each 25c

## TRICHOCEREUS

Glorious flowers are borne by almost all of these popular plants. Among them are many of our garden favorites that experienced collectors class with their choicest specimens. They vary from small clustered species to giants 25 feet tall and are very numerous on rocky slopes from the lower hills almost to the snow-line. From South America.

**Culture:** Very easy to grow, these vigorous rooting plants thrive everywhere. Give them sandy loam soil with Cactus Compost, moderate waterings, and for flowers a good winter rest. Full sun or semi-shade.

**Trichocereus Bridgesii.** An erect growing species with blue-grey stems and few long stiff spines. Stems branch from base, forming tall clusters. Cuttings. 10 in., \$1. 6-8 in. 75c

**Trichocereus candicans.** A fine species forming rambling clusters, the stems with stout spines and freely bearing very large, fragrant, snowy-white flowers. Easy to flower and grow. Nice plants, 4-6 inches, 50c; smaller 35c

**Trichocereus candicans robustior.** A vigorous variety with stout spines. Nice 50c

**Trichocereus chiloensis.** A rare, tall, heavy spined species. Each 75c

**Trichocereus cuscoensis.** A tall growing species with stout spines. Cuttings. 8-10 inches. \$1

**Trichocereus huascha.** Certainly one of the most gorgeously flowered of all cacti. Flowers bright golden yellow, 6 inches in diameter. A beautiful plant and easy to grow. Nice plants, 3-4 inches, 40c; each. 25c

**Trichocereus huascha rubra.** Flowers brilliant shining red! Very lovely. Nice plants. 35c

**Trichocereus Knuthianus.** A large, heavily spined tree species. Very rare. Cuttings. \$1.50

**Trichocereus lamprochlorus.** Forms compact clusters 1 to 2 feet tall. Lovely large white flowers. Each. 35c

**Trichocereus Schaferi.** Gigantic white, Easter-lily flowers. A beautiful plant at all times. 3-4 in. Each. 35c

**Trichocereus litoralis.** A huge, columnar species branching very freely. Spines long and heavy. 8-10 inch cuttings \$1.50

**Trichocereus macrogonus.** A tall, very heavy stemmed plant with large white flowers. Large cuttings. \$1.50

**Trichocereus Pachanoi.** Almost spineless deep green stems and very pretty. Free blooming, with scores of huge white blossoms. 10-inch cuttings. \$1.25

**Trichocereus purpureopilosus.** A small, much branched species. Very pretty. Flowers white. Nice. 40c

**Trichocereus santiaguensis.** 3-inch thick stems to 4 feet tall, forming clumps. A pretty plant and easy to grow. 3-6 inches 35c

**Trichocereus strigosus.** Clump forming, growing to 12 inches. Very spiny 75c

**Trichocereus Terscheckii.** A giant species. Noble. Stands 10 or more degrees of frost. Large for planting out. 6 inches or more. \$1.00

**Trichocereus thelegonus.** A creeping snake-like species and one that blooms regularly. Flowers large and handsome. 6-8 inches, 75c; 3-4 inches. 25c

**Trichocereus thelegonus x Echinopsis.** Large flowering size. Stems short, thick, very short spines. White. Large flowers 75c

## SETICEREUS HUMBOLDTII

A plant discovered in 1823 in northern Peru, but only in late years has material been available for study. Britton and Rose placed it in Borzicactus, from which it differs in bearing its red, tubular flowers in a head of stiff bristles. A fine distinct species for the collector. Nice bright plants, 2-3 inches. 35c

## LEPTOCEREUS

A rare genus from the West Indies. The plants are very spiny, the branches long and sharply angled, less than one inch in diameter. A collectors item, but quite interesting.

**Leptocereus Grantianus.** Very spiny much branched plant. Spines yellow 75c

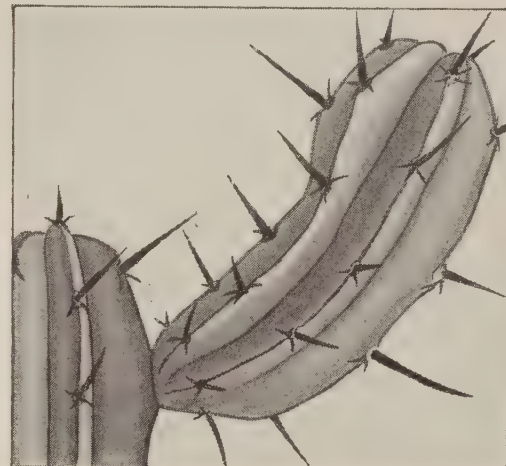
**Leptocereus Leonii.** Brown spines. Scandent in habit. From western Cuba 75c

**Leptocereus quadricostatus.** 4-angled stems, quite long branches, moderately spined. Vigorous Grower. 50c



**PERUVIAN APPLE**

The small plants of these tree cerei are very popular. They are shaped like a club with 4 to 7 angles each set with brown spine clusters. The fruits are large, up to 11 ounces, are spineless, crisp and sweet. Red or yellow. Grow easily in loam. 8-10 inch, 50c; 4-5 inch, 35c; small. 20c



**BLUE MYRTLE CACTUS**

A lovely blue stemmed species, Myrtillocactus geometrizans is columnar and almost spineless in small plants. Branched with short heavy arms. White, myrtle-like flowers. 8-10 inch, 50c; 4-6 inch. 35c

**Myrtillocactus Schenkii.** Green stemmed. 6-8 inch. 50c

## NEORAIMONDIA MACROSTIBAS

A fine, rare cereus from Peru. Stems bear large chestnut brown areoles which increase in size annually. A choice plant for the collector. 40c

Stems dark blackish brown. Pretty.

## OUR CACTI IN NEW ZEALAND

My box of Cacti arrived in very good condition. I was delighted to receive them so promptly. Agnes E. Finnie, Dunedin, N. Z.

## WHITE BOWER CACTUS

Forms handsome, pale green clusters, each stem gemmed with small stars of russet spines. Flowers huge and snowy white. Trichocereus Schickendantzii will often bear a dozen at once. Make fine specimens, branching very freely. Larger plants, 5-6 inches, 50c; smaller, 35c and. 25c







## PARODIA MUTABILIS

(Natural Size)

The Parodias are all lovely plants with beautiful and bright blossoms. This sterling variety has orange yellow blossoms, often with a red throat. Even small plants produce several blossoms in May and June. The plant is very elegant and free blooming. Of the easiest culture. Give it a light loamy soil, moderate watering and sun or semi-shade. Large 5-year-old plants, **\$1.00**; 2-inch, **50c**; flowering sizes, **35c** and..... **25c**

## ASTROPHYTUM

To this grand group belong some of the most popular and pretty cacti found in Mexico. All are very free flowering, producing blossoms all spring and summer. They are all small or medium sized globular cacti and seem particularly happy in cultivation. Their unique shape and texture make them appear as though carved from stone. No collection can be without them. Highly recommended.

**CULTURE.** They grow readily in the window garden and are not too particular, liking a sunny position if you have it. Give them a sandy soil and when growing an occasional application of Cactus Food. Moderate waterings, allowing them to become dry between watering. This is important with all cacti and is the best of all insurance for success and blossoms! I have found them to enjoy a little lime in the form of old mortar or powdered dry eggshells. Our Cactus Compost contains the lime necessary. A sprinkling of charcoal mixed with the soil helps to keep it sweet and open. If you do not have these things do not let that deter you, for they are truly easily grown.

**BISHOP CAP. *Astrophytum myriostigma*.** Illustrated page 29 in full color. One of the most attractive and free flowering of cacti. Blooms several times during spring and summer. Everyone can flower it, as it blooms when young and is most easily cared for. Put it in a sunny window and it will reward you with its cheerful yellow blossoms many times. Moderate waterings. Mature flowering. 3-inch, **\$1.00**; 2-inch and 2 1/2-inch, flowering, **50c**; 1 1/2-inch, **35c**; small 1-inch.....**25c**

**Four-sided Bishop Cap.** A collector's rarity. Always has four sides. Blooms and grows just as freely as the ordinary 5-sided type. Each, 1 1/4-in. to 1 1/2-in.....**60c**

## VIOLET SEA URCHIN

*Acanthocalycium violaceum* (Two-thirds Natural Size)

A lovely flowering small cactus blooming profusely during the summer. The blossoms are particularly bright and shining and the color is most pleasing. Flowers when small, the number of blossoms increasing yearly. They may reach 4 inches in diameter. Native of Argentina. Grows very easily in light loam, moderate waterings and sun or semi-shade. 3-inch specimens, **\$1.00**; 2-inch, **50c**; nice 1-1 1/2 inch.....**25c**



# FASCINATING BARREL CACTI or ECHINOCACTUS

**T**HESE barrel-shaped cacti are a very attractive group found scattered from the United States to Argentina. They vary greatly in their size and shape and in the kinds of flowers and fruits they bear. Some are tiny species the size of walnuts, others are 10 feet tall and a yard in thickness. They may be identified in two great geographical groups, the North American ones centered in Mexico and embracing such plants as Bishop's Cap, Golden Barrel, Cat's Claw, Agave Cactus, etc., the South American ones the Parodias, Lobivias, Chin Cacti, Ball Cacti, etc. I have placed under Echinocacti most of the globular types even though technically some are related more closely to the Cerei. Almost all of them have one feature in common (shared with their congeners, the Cerei), that is—ridged stems. This accordion effect, well shown in the photograph of the Star Cactus, page 31, allows them to expand rapidly without bursting when the rains fall. Their flowers are regular and wheel-shaped generally though not always borne in the younger areoles near the top of the stems. The larger species are of interest for the beauty and symmetry of even the smallest seedlings. Many of the smaller ones bear really remarkable flowers. The delicacy and brilliance of some seem all out of proportion to the plants as though nature had tried to make up for the harshness of their surroundings.



## GOLDEN EASTER LILY CACTUS

Bearing handsome, large bright yellow flowers. It flowers very freely and with us every bed is shining with blossoms. I consider Lobivia aurea one of the choicest varieties and recommend it fully. It grows easily in light loam with moderate waterings and almost full sun suits it. Fine 5-year-old flowering specimens, **\$1.00**; smaller flowering, **50c** and..... **35c**

## ASTROPHYTUM (Continued)

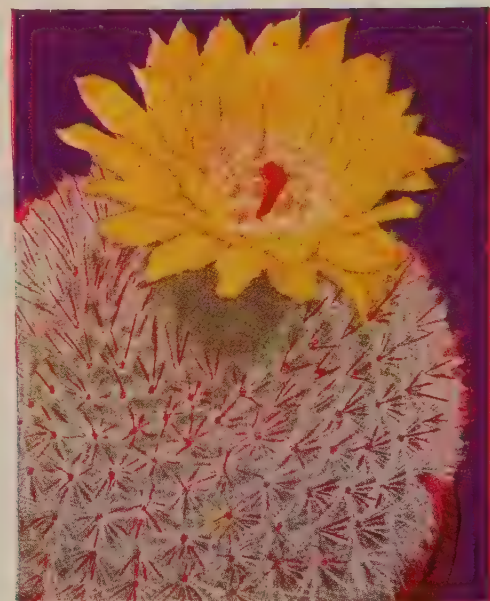
***Astrophytum myriostigma coahuilensis*.** Whiter than the type and with red seed pods. 2-inch, each .....**90c**

***Astrophytum myriostigma columnaris*.** This is much taller and slenderer and quite white. Very free flowering. Flowering size, 2-inch and 2 1/2-inch, each .....**60c**

***Astrophytum myriostigma potosina*.** Darker and faster growing. Each.....**35c**

***Astrophytum capricorne*.** A splendid species with very handsome 3-inch golden yellow blossoms having a red throat. Petals like satin! A small species bearing few papery spines. 1 1/2-2 inch, **75c**; larger .....**\$1.00**

***Astrophytum cap. senilis*.** More feathery spines. Large .....**\$1.00**



## SILVER BALL

An elegant silvery spined small cactus which always attracts admiring attention. *Notocactus scopia* grows quickly and easily under all conditions. A native of Brazil. Likes sun or partial shade, moderate waterings. 2-2 1/2 inch 4-year-old specimen flowering plants, **\$1.00**; 1 1/2-inch, **50c**; ..... **25c**

## BRITTONIA DAVISII

A monotypic cactus from Texas. It is similar to a red spined Echinocactus and bears nice yellow blossoms. May reach 8-10 inches in diameter. Grows freely in light soil with moderate watering. Very pretty. 1 1/2-2 inches.....**30c**

## NEOPORTERIA

A rare Chilean genus often found on cliffs overhanging the seashore. They vary considerably in appearance. The flowers are most attractive, of large size, and freely produced. Give them a sandy loam soil and during their season of growth moderate waterings. Rest well during winter by withholding water.

**Chilean Old Woman. *N. nidus*.** Very scarce. One of the most striking white haired cacti in existence. The plant is hidden in a thicket of coarse, curling white hair. One of the loveliest flowering plants with exquisite long pink blossoms. We have only a few plants. Nice.....**\$1**

**Black Cactus. *N. nigricans*.** Very scarce. Body of plant almost black, a strange color for any plant. Flowers dark garnet red. Each.....**\$1**

## STROMBOCACTUS

A very rare and slow growing genus from Mexico. Plants flattened-globular with very few spines. Flowers white. Strictly collectors' items. They need full sun and sand or very sandy soil, watering only when quite dry.

***Strombocactus disciformis*.** A very curious, almost spineless grey-green plant. Mature 2-2 1/2 inch flowering plants. Each.....**\$2**

***Strombocactus pseudomacrotyle*.** A rare, quite different plant an inch in diameter when mature. Forms clusters. Spines strawlike. Very choice. Mature.....**\$1**





### RED CROWN

The Crown Cacti are a very lovely group of small growth and bearing very vivid blossoms. *Rebutia senilis* has bright red blossoms and produces quantities of them. I have seen specimens with almost 100 blossoms open at once! The plants are clothed with tiny white spines and are attractive at all times. Sandy soil, moderate to generous waterings, part shade. Large 1½-2 inch, 50c; nice 1-1½ inch, 35c



### GOLDEN BALL

A lovely golden haired species, a great favorite always attracting attention. One of our choicest plants. *Notocactus Leninghausii* grows with moderate waterings, sun or semi-shade. Handsome flowering specimens, 4-5 inch, \$1.00. Fine colorful plants, 50c and 35c. 25c

### HARDY HEDGE HOG CEREUS

These plants bear gaudy, bright rose-pink blossoms 2 inches to 2½ inches across. They flower freely several times during the summer. Plants conical, 2 inches to 4 inches tall. Grow easily in sandy soil. Moderate water. Large flowering, each, 30c

## EASTER LILY CACTI

The *Echinopsis* are all handsome flowering plants, some with 10-inch blossoms. They flower profusely even when small and are of the very easiest culture. A porous loam, moderate to generous waterings, sun or semi shade. Cactus Food when growing. They are native to South America—Argentina, etc.

***Echinopsis albiflora*.** Handsome free flowering, the snowy white blossom 6 in. long. Charming 3-in., 50c; smaller, 35c

***Echinopsis calochlora*.** Handsome tender green plants, yellow spines. Large, frilled white blossoms. 1-1½ in., ea., 35c

***ECHINOPSIS HUOTTII*.** Huge white blossoms. Highly recommended. Large flowering, 5-6 inch, 75c; Smaller, 35c and 25c

***Echinopsis. Heavenly Twins*.** A splendid almost spineless plant with large handsome pale pink double-tubed flowers. Unique 75c

***ECHINOPSIS JOHNSON'S HYBRID*.** A lovely, large, dark pink flowered plant growing to 18 inches tall. Extremely free blooming, often with a dozen 8-inch ruffled, fragrant blossoms. Nice 50c

***Echinopsis leucorhodantha*.** White tinged pink. Dwarf plant 35c

***ECHINOPSIS LOS ANGELES*.** A very handsome cactus. Body bright green, ribs set with white areoles. Grows to 16 inches tall. Huge ruffled blossoms, dark pink. Very free flowering. Nice plants 50c

***Echinopsis obrepanda*.** Handsome ruffled white flowers. 75c

***Echinopsis oxygona hybrids*.** A pretty group varying shades of pink blossoms. Flowering sizes, 3-inch, 50c; 2-inch 35c

***Echinopsis polyanctra*.** Dark green spineless plant, beautiful 5-inch white flowers. Flowering, 75c and \$1.00



### PYGMY EASTER LILY

*Echinopsis hamatacantha*

This lovely pink or white flowered species will please you. Often bears 4 or 5 flowers at once. Flowers off and on for months. Very easy to grow, sandy loam, moderate water, sun or semi-shade. Large 3-inch specimens, \$1.00. Smaller flowering plants, 35c and 25c

## HEDGE HOG BARREL CACTI

A prominent feature of our South Western deserts and Mexico. Plants barrel-shaped, often quite large. The ribs are waved with heavy curved spines. Top is full of white wool around which the flowers emerge.

**Culture.** They are quite shallow rooted and grow easily in a sandy soil and sunny position. A moderate amount of water and fairly small pots. Do not over-pot any spiny cactus.

**Golden Barrel.** *Echinocactus Grusonii*. See p. 31. 25c

**Eagle's Claws.** *E. horizontalis*. See page 34. 25c

**Giant Barrel.** *E. ingens*. A pretty plant when small with blue body and dark curving spines. They live to great age and become enormous, weighing a ton. Grows on rocky mesas in Mexico. Very pretty red spines. Grows rapidly. Nice plants. 1-1½ inches. 25c

***Echinocactus Palmeri*.** A very large species up to 6 feet. Spines heavy curved. Rare. Nice plants. 25c

## ARIOCARPUS

Different from all other cacti. See color plate. Page 33. Very curious plants with handsome flowers. White wool in tubercles. Splendid for exhibition! Real show plants! Plant in sand, watering when dry. Likes sun. All offered are mature, flowering, imported plants.

***Ariocarpus Kotschoubeyanus*.** A very handsome and unique plant. Mature specimens. \$1.00

***Ariocarpus McDowellii*.** Handsome with rose colored flowers \$1.00

***Ariocarpus retusus*.** With flat, white, deltoid tubercles. Very unique. Large white flowers, 4-5 inch specimens \$1.50

***Ariocarpus trigonus*.** Long tapering tubercles. Plant olive green. Large flowers. Mature 5-6 in. specimens. \$2

### BISHOP'S CAP

*Astrophytum myrtilloides*

A popular spineless plant for every collection and very easy to grow. Flowers freely all summer long. Thrives in sandy loam with moderate waterings. Likes sun or semi sun. Large specimens, 3-4 inch, \$1.00. 2-inch, 50c; smaller flowering, 35c and 25c

### WHITE CHIN CACTUS

A rare and fine plant, dark green in color and bearing heavy spines. Charming pink and white blossoms in early summer. *Gymnocylindrus Schickendantzii* grows readily in sandy soil with moderate watering. Large 2-inch 30c to 3-inch, 75c; smaller, 35c

### LEMON BALL

The very freest blooming and easiest to grow, *Notocactus submammulosus* should be in every collection. Light sun, with moderate waterings increased when growing. Flowers for weeks. Mature 3-4 inches, \$1.25; smaller 35c and 25c

### GLORY OF TEXAS

Gorgeous, crepe-like, brilliant pink blossoms over 2½ inches across. Blooms from spring to fall. Flowers for everybody. Light soil with moderate watering. *Thelocactus bicolor*, flowering sizes, 4-inch, 50c; 2 to 3-inch, 35c

**SELECT COLLECTION No. Q14.** One Each of Illustrated Cacti. Four Plants \$1.10







### NOTOCACTUS MAMMULOSUS

This favorite has handsome bright yellow flowers. Surprisingly floriferous and easily grown. Enjoys light loam, moderate waterings. Sun or semi-shade. Large flowering specimens, 2-3 inch, \$1.00. Smaller, 50c to 35c. Nice, 1-inch, each..... **25c**



### WHITE CUP CACTUS

*Trichocereus Schaferi*

Bears quite enormous snow white blossoms, tinged pink. The succulent pale green stems are gemmed with short harmless spines. Grows easily in light loam, moderate waterings. Nice specimens, 50c, 35c and..... **25c**

### GRIZZLY BEAR

An old favorite, *Opuntia ursina* will be one of your prized specimens. Long flexible white spines give it appearance of an Old Man Cactus. Grow in sand with very moderate waterings. Fine plants..... **35c**



## BARREL CACTI

### FEROCACTUS

These are familiar sights in the heat tortured desert mountains of the South West, standing sentinel over the lonely wastes, golden in the purple twilight. A porous sandy loam, remembering **not** to keep their feet wet and a sunny position.

**CANDY BARREL.** *Ferocactus Wislizeni*. A fine Arizona species with stout, hooked, quite red spines. Fairly rapid growth and one of the easiest to grow. It is commonly used to make the famous cactus candy. 2-inch, **35c**; nice 1-1/2 inch..... **25c**

**Indian Fish Hook.** *Ferocactus corniger*. A very fine plant with a wide horny hooked red central spine in each cluster. Very choice. Flowers crimson or yellow. A colorful plant. 3-in., **50c**; Nice plants, **35c** and. **25c**

**Ferocactus Covillei.** A choice, scarce plant with hooked spines. Nice..... **35c**

**Ferocactus echidne.** Globular plants to a foot in height. Ribs very acute. Not many spines. Choice 1-1/2 inch..... **35c**

**Ferocactus Fordii.** Very rare colorful species up to 6 inches tall, with red and yellow spines. Nice 1-1/2 inch plants..... **35c**

**Ferocactus Lecontei.** Quite scarce. Globular to 16 inches diameter..... **40c**

**FISH HOOK CACTUS.** *Ferocactus melocactiformis*. Long fishhook-like spines, yellow and red. One of the prettiest and best. Everyone likes it. 2 1/2-3 inch, **50c**; smaller..... **25c**

**Ferocactus pilosus (Stainesii).** A fine colorful species with reddish spines and long white hairs at the areoles. Flowers orange red..... **35c**

**GIANT SPINED BARREL CACTUS.** *Ferocactus rectispinus*. The longest spined of all cacti. With age spines reach 9 inches! Young spines bright red. Very pretty small plants, 1-1/2 inches..... **25c**

**Ferocactus robustus.** Forms large clusters. Ribs wavy. Plants dark green. 2 inches..... **40c**

**Ferocactus Townsendianus.** A species from Baja California. Spines bright red. Very scarce plant. Fine colorful plants, 1-1/2 in. Ea..... **25c**

**Ferocactus uncinatus Wrightii.** Small plants with long hooked spines. Flowers red. Flowering imported, 4-5 inch specimens..... **75c**

**Ferocactus viridescens.** A pretty dwarf species from San Diego. Easy to grow. Nice plants..... **25c**

**FEROCACTUS VISCAINENSIS.** A rare species from Baja California. Red spined colorful. Nice..... **25c**

### MALACOCARPUS

A fine South American genus of globular, ridged cacti with incurved spines and bright yellow crepe de chine flowers. Excellent for pot culture. Give them a light loam soil, moderate watering and a trace of shade in summer.

**Malacocarpus corynodes.** Very recently introduced, this fine species is a native of Uruguay. The plant may reach 4 inches in diameter, with 13-16 acute ridges. The depressed top is filled with white, felted wool. Flowers 2 inches wide, canary yellow. Large flowering specimens, 2 1/2-3 inches, **\$1.50**; smaller, 1-inch each..... **50c**

**Malacocarpus mammillarioides.** Rare species from Chile. Large plants, 2 inches, each..... **75c**

**Malacocarpus pauciareolatus.** A handsome dark green plant with few sharp, low ridges and few spines. Very rare. 2-inch to 3-inch flowering..... **\$1.00**

**Malacocarpus Sellowii.** A rare species with sharp, low ribs. Dense white wool in center. Flowers shining yellow. Small plants, 1-1/2 inch each..... **50c**

### AGAVE CACTUS

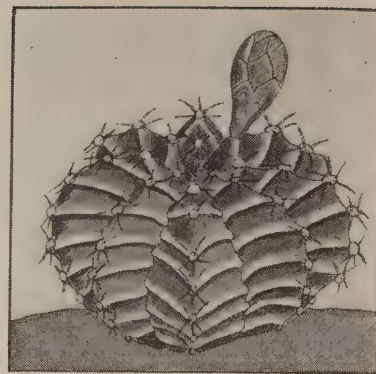
*Leuchtenbergia principis*

A very interesting species from Mexico. Looks more like a Century Plant than a cactus. Nipples long and triangular, with several papery spines crowning the tip of each. With age it has a distinct trunk. Flowers large, pale yellow. Very choice. Nice 2 1/2-3 inch plants, well characterized..... **50c**



### A SMALL CACTUS FAN

This young lady is just as interested in her cacti as is her mother. Note the Easter Lily in flower near the little girl. The collection of Mrs. Inez Baker, Grover Hill, Ohio.



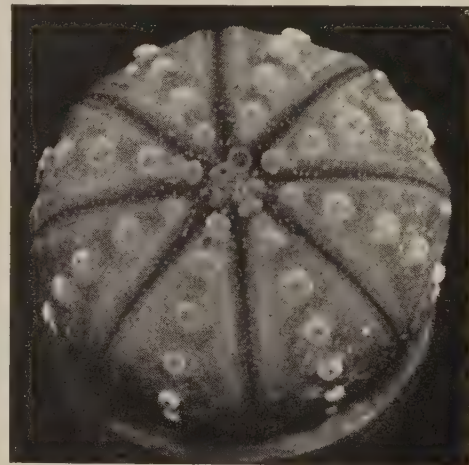
### PLAID CACTUS

*Gymno. Mihanovichii stenogonum*

A very brightly banded form of this lovely Chin Cactus. Silvery-green with maroon bars with a frosted appearance when seen in the sunlight. Very easy to grow. Fine flowering specimens, 2-inch. **75c**. Flowering size, 1 1/2-inch, **50c**. Nice well colored plants, each..... **35c**

### CACTUS SEED

A fine selection on page 17. Most interesting and easy to grow.



### SAND DOLLAR

*Astrophytum asterias* (Natural Size)

One of the oddest cacti, entirely spineless and freely bearing large yellow blossoms with red throats. Very rare even in the wilds. Sandy soil and very moderate waterings. Semi-sun. Mature flowering plants, each..... **50c**

### SUN CUPS

*Notocactus aprieus* (Natural Size)

A charming spring blooming cactus that bears flowers much bigger than itself. One of my favorites, growing so easily, flowering so freely. The buds are covered with chestnut wool until just before the cheerful yellow blossoms appear, each with a velvety red stigma among the pale stamens. From Uruguay. Give it sandy soil, moderate watering, and as much light as possible. Specimens, 2-2 1/2 inch, **50c**. Flowering, **35c**. Nice plants, 1-1 1/4 inch..... **25c**







**GOLDEN BARREL**  
*Echinocactus Grusonii*

These form beautiful golden globes with age and are spectacularly beautiful specimens. A great favorite with collectors. The young plants bear nipples instead of ridges, gradually assuming their mature character. Pretty at all stages with their bright shining yellow spines. Like a very sandy soil, moderate watering and sun or semi-sun. Easy and quick growers. **25c**  
Fine 1½-inch, 35c. Small.....



**HYBRID CHIN CACTI**

A series of handsome hybrids between *C. Damsii* and *G. Mihanovichii*. They are very floriferous and bloom when very small, the blossoms ranging from yellow to pink and white, some almost chocolate. Give generous treatment, partial shade. Of the easiest culture. 35c and..... **25c**



**STRIPED CHIN CACTUS**

*Gymnocalycium Mihanovichii* (Natural Size)

Beautifully striped green and maroon, this is one of the loveliest of dwarf cacti and will flower in any window from early spring to late fall. The blossoms are pale yellow, sometimes tinged with chocolate or pink. Large flowering, 2-inch, 75c. 1½-inch, 50c. Smaller flowering, 35c. Small, each..... **25c**

## NOTOCACTUS

### BALL CACTI

Some of the most fascinating and loveliest cacti are in this group and I much recommend them, knowing they will please in every way. The flowers are particularly bright and cheerful. They are all South American plants.

**Culture:** Very easily grown in a sandy loam soil and appreciate Cactus Food two or three times during the summer. Give moderate waterings in summer time, a little less in winter. Partial shade in summer.

**NOTOCACTUS APRICUS.** See page 30 for photo.

**Notocactus caespitosus.** A newly introduced species with large yellow blossoms. Very rare. Large flowering..... **50c**

**Notocactus floricomus.** A pretty variety with stout spines and bright yellow blossoms. Each, 1-inch, 35c; 2-inch flowering..... **50c**

**Notocactus Graessneri.** Yellow Ball. A handsome species, thickly covered with pale yellow spines. Charming. Specimens 1½-inch, 50c; smaller, 35c and..... **25c**

**Notocactus Grossei.** Very rare species. Similar to *N. Schumannianus*. Small..... **75c**

**Notocactus Hasselbergii.** A truly lovely species, thickly covered with glossy white spines and crowned in March and April with vivid orange-red blossoms. Flowering size, \$1.00 each; 2-inch..... **75c**

**Notocactus Leninghausii.** Illustrated page 29.

**Notocactus Linckii.** A rare and desirable species with lemon yellow blossoms. Grows somewhat like *N. Ottonis*. Large flowering specimens, 2-inch to 2½-inch, \$1; smaller flowering, 1½-inch, 50c; nice..... **35c**

**Notocactus mammulosus.** Illustrated page 30.

**Notocactus Mueller-Melchersii.** The true species with handsome pink blossoms! Altogether different from the one formerly known under this name. One of the finest of new introductions. Beautiful. 1½-inch flowering size, \$1.00; smaller, 1-1¼ inch, each..... **50c**

**Notocactus muricatus.** A very rare species. The first time offered here. Nice..... **40c**

**NOTOCACTUS OTTONIS.** See page 33.

**Notocactus ottonis longispinus.** A variety quite distinct. Large flowering specimens..... **50c**

**Notocactus Ottonis uruguayensis.** A very handsome variety with rich yellow blossoms that glisten in the sunlight. Each..... **35c**

**NOTOCACTUS PAMPEANUS.** A charming species with spine clusters, quite red when young, and the plant itself with a reddish tinge. Ribs low, strongly tubercled with stiff spines. Flowers quite large, bright yellow. From Uruguay. Large flowering specimens, 1½-inch to 2-inch, 50c; nice..... **35c**

**Notocactus Schumannianus.** Giant Ball. A fine species with long, reddish-yellow, hair-like bristles. The ridges are very numerous and shallow, the top depressed and filled with wool from which the flowers emerge. A very choice plant. Large, \$1.00; 2-inch, 50c; smaller..... **25c**

**Notocactus scopa.** Illustrated page 28.

**Notocactus submammulosus.** Illustrated page 29.

**NOTOCACTUS TABULARIS.** A fine species with low ridges faintly tubercled and with flexible, reddish bristles. The flower buds are clothed in brown wool opening into handsome yellow blossoms. Large flowering, each, \$1.00; smaller, 50c; fine plants, 1-1¼ inch..... **25c**

**Notocactus Velanovskii.** Similar to *N. mammulosus*. Nice..... **35c**



**ESCOBARIA TUBERCULOSA**

The pink striped flowers appear in early spring. It is related to the *Mamillarias* and give same care. Forms branched plants. Large flowering..... **25c**



### STAR CACTUS

*Astrophytum ornatum* (Natural Size)

Every collection should have this handsome and easily grown old favorite. It is beautifully flecked with a myriad of snowflakes which are really microscopic spine clusters. The large, lemon-yellow blossoms are borne freely throughout the summer. Grows well in semi-shade or full sun. Large 4-in. to 5-in. specimen plants, \$1.50; 3-in. to 4-in., \$1.00; 2-in. to 2½-in., 50c; 1½-in., 35c; small, 1-in..... **25c**

### ECHINOCEREUS

A very colorful group of North American cacti. Flowers very large and brilliant. They form clusters or are solitary, generally 4-10 inches tall. Bright flowers in spring ranging from yellow and pink to bright red. A splendid genus worth a place in the choicest collections.

**Culture.** Light sandy soil, moderate waterings in summer, much drier in winter. Sunny position.

**ECHINOCEREUS AMOENUS.** Handsome, rare, pink flowered, small, solitary plants. Few spines. Mature flowering imports..... **75c**

**Echinocereus Davisii.** Spineless arms. Long pink flowers..... **35c**

**Echinocereus Delaetii.** See page 26.

**Echinocereus dubius.** Large purple flowers. Grand, Clusters..... **50c**

**ECHINOCEREUS FITCHII.** Gorgeous ruffled pink flowers. Splendid. 3-5 inches..... **35c**

**Echinocereus Knippelianus.** Spineless fat plant. Pink flowers..... **50c**

**ECHINOCEREUS LONGISPINUS.** Handsome yellow spines. Large frilled pink flowers. Large, 40c; small..... **25c**

**ECHINOCEREUS MERKERI.** Large purple flowers. Clusters..... **35c**

**Echinocereus papillosus.** Large yellow flowers. Fine clusters..... **35c**

**Echinocereus polyacanthus.** Crimson flowers. Fine, 1-2 inch..... **25c**

**Echinocereus Poselgerianus.** 3-inch cerise flowers. 50c, 25c

**Echinocereus Scheerii.** Handsome purple flowers. Blooming size..... **50c**

**Echinocereus stramineus.** Purple flowers. Whitish spined. Clusters..... **40c**

**Echinocereus subterraneus.** New. Creeps underground. Clusters..... **35c**

### DWARF CHIN CACTUS

*Gymnocalycium Quelhianum*

A fascinating cactus with lovely white blossoms flushed with warm pink. Flowers steadily from April till August. Very easy to grow. Stands neglect. Give it a sandy loam, moderate waterings, sun or part shade. Large 5-year-old mature, 2½-3 inch, \$1.00. Large flowering, 35c. Fine 1-1¼ inch..... **20c**







#### TOM THUMB

*Parodia aureispina* (Natural Size)

The easiest cactus to flower with golden, satin-like petals. The plant, a rich yellow globe with a myriad harmless spines on spiralled ridges. A light soil and moderate water. 2-inch to 2½-inch, flowering, 50c; 1½-inch, 35c; 1-inch.....

25c



#### GRAFTED PEANUT CACTUS

These form very interesting specimens, being grafted on snake cactus stems. They rapidly form valuable clusters and in spring bear their bright red blossoms. Single stem grafts, each.....

75c

#### FRAILEA

A distinct group of small globular cacti, some solitary, others forming dense clusters. Almost spineless, bearing large yellow blossoms, and make quantities of seed without showing flowers. Argentina.

- Frailea gracillima*. Slender .....25c
- Frailea Grahliana*. Clustering .....35c
- Frailea Dadakii*. Close spined.....40c
- Frailea pseudopulcherrima*. Nice.....25c
- Frailea Schilinzkiana*. Clustering.....25c

#### CRIMSON PARODIA

*Parodia sanguiniflora*

Bright ruby red flowers! One of the surest to bloom and easiest to grow. Blossoms in May and June. From Argentina. Give it semi-shade, sandy soil, moderate waterings. You will want it. Larger, 35c; 1-inch plants.....

25c



## PARODIA

Elegant globular plants bearing the brightest of blossoms, ruby-red, orange or yellow, often as large as the plant. They are mountain dwellers found principally in Argentina. The plants seldom exceed 3 inches in diameter.

**Culture.** They are quite at home in the window garden and enjoy a sandy loam soil, semi-shade and moderate watering. Cactus Food applied once or twice during the summer helps to keep them blooming.

**Parodia aureicentra.** A very rare species from Argentina growing at 10,000 feet elevation. The ribs are spiralled, set with golden brown spines, the central one hooked. The plant is orange-shaped and at the top bears blood-red flowers. Nice 1-inch plants.....

50c

**PARODIA AUREISPINA.** Tom Thumb. A handsome species very easy to flower. See color illustration at left.

**PARODIA CHRYSACANTHION.** An exquisite plant when well grown. The plant is a brilliant shining yellow globe with straight glassy spines. It may reach almost 4 inches across, and even the least plant minded person is delighted. We have at last grown a small lot. Fine young plants, ¾-1 inch, each.....

35c

**Parodia sanguiniflora.** See below at left. A handsome ruby red flowered elegant plant. A real jewel. Fine plants.....

25c

**Parodia scopioides.** A fine species with bright orange flowers. Large flowering, 50c; smaller, 35c; 1-inch.....

25c

**Parodia Maassii.** A rare species with red-brown, hooked spines. Flowers dark orange-red. Few plants only. Each.....

\$1.00

**Parodia Stuemeri.** Rare hook-spined species. Scarce..

\$1

**Parodia tilcarensis.** Rare straight spined species. Scarce.....

\$1.00



#### QUEEN OF THE NIGHT

An old favorite with huge 12-inch blossoms. *Selenicereus Macdonaldiae* is free blooming, growing quickly and easily, liking partial shade, light sandy soil and moderately generous waterings during the summer. The flowers are truly magnificent, the outer petals golden yellow, the inner ones snowy white. They bloom on last year's stems and are more sure to bloom if outdoors in the sun in summer. 15-18 inch, 35c \$1.00. Smaller, each.....

35c

## MELOCACTUS

#### TURKS CAP

Some of the oddest of all cacti. Each mature plant bears a red cephalium shaped like a Turkish fez. They are native to the Caribbean region and to Central and South America and everywhere attract attention. They enjoy warm weather and a sandy soil, moderate waterings and part sun.

**TURKS CAP. Melocactus intortus.** A fine species, easily grown. Plants with fully developed cephalia are great curiosities and much sought after. Beautiful small specimens, 1½ in.....

40c

**Melocactus Jansenianus.** Small.....

40c

**Melocactus Lemairei.** 1¼ inches.....

75c

**Melocactus nobilis.** Small.....

50c

**Melocactus rubrispinus.** Small.....

40c

**Melocactus spiralis.** Small.....

40c

## PELECYPHORA

An extremely rare genus in cultivation. The plants are 1 to 2 inches in diameter and bear elliptical ridges or nipples with a margin of comb-like teeth. The flowers are apical, bright purple-pink and quite large. One of the real oddities among cacti. It likes a sunny place in the windows and pure sand or sandy loam. Moderate watering when dry. Our plants are mature, established specimens. **Pelecyphora asselliformis** is the only species. Each.....

\$1.00



## PINK CHIN CACTUS

*Gymnocalycium Fleischerianum* (Natural Size)

A very floriferous variety with charming flowers varying from white to pink. They come into bloom in April and flower till early fall. Our plants are rarely without blossoms. The plants blossom when an inch in diameter. Grows very rapidly and easily, liking a sandy loam soil with feedings of Cactus Food. Semi-shade and moderate waterings. Large flowering specimens, 3-inch, each, \$1.50; flowering, 2½-inch, \$1.00; 1½-inch and 2-inch, 50c; smaller flowering, 35c; nice plants.....

25c



## DWARF TREE OPUNTIA

*Opuntia vilis* grows into a tiny, well branched tree with round trunk some 4 inches tall. This charming little Mexican species is particularly liked for its distinct tree-like growth and the ease with which everyone succeeds with it. Likes a sandy soil and a light or sunny place. Well branched, 4-inch to 6-inch. Each, 30c. Smaller.....

20c

## THELOCACTUS

#### NIPPLE CACTI

The Nipple Cacti form a very fine and interesting group to which the Glory of Texas belongs. Most of them are quite rare in collections, as mature plants must be imported. They differ among themselves in appearance, but all have very handsome flowers. Some are flat-topped, others conical. They bear nipples though do not have the appearance of *Mamillarias*, as the nipples are broad based or on spiralled ridges. The flowers are borne on the very young tubercles and are pink or white.

**Thelocactus bicolor.** Glory of Texas, page 29.

**Thelocactus hexaedrophorus.** A fine, very slow growing species. Purple flowers. Large flowering Each.....

\$1.25

**Thelocactus leucanthus.** Somewhat similar to T. bicolor. Flowers yellow.....

75c

**Thelocactus lophothele.** A large, flat-topped, heavy nipped plant, curious shredded spines. Flowers salmon. Large specimens.....

\$1.50

**Thelocactus nidulans.** Bird's Nest Thelocactus. Large heavy nipped plant. Long, shredded, interlaced spines. Nice flowering plants.....

\$1.50

## OBREGONIA

A rare and peculiar cactus with curious, sharply angled, incurving, imbricate, silvery green nipples. The apex is filled with wool with a few stiff bristles among which the white flowers appear. This uncommon plant is monotypic, the only species being **Obregonia Dene-grii**. Nice flowering specimens, 2½-3½ in.....

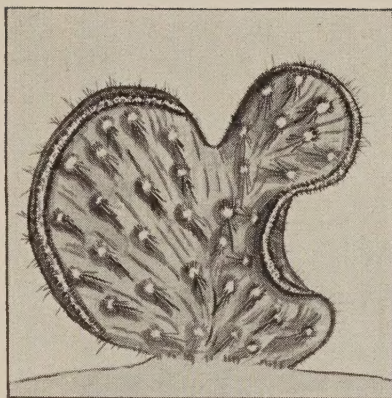
\$2





#### HYBRID EASTER LILY

A very fine lot of these beautiful flowering cacti, *Echinopsis hybrida*, ranging from white to pink. A new lot from seeds of our best varieties, hand pollinated. Like a light loam soil, with moderately generous waterings. Semi-sun or sun. Large flowering, 2½-3 inch, 50c. Smaller, 35c and..... **25c**



#### CRESTED OPUNTIA

*Opuntia serpentina cristata*

A very attractive and easily grown crest. Crested plants with their curious, undulate, cockscorn-like manner of growth are always scarce. This one always retains its sinuate growth. The rim a band of tawny yellow. Give it a good loam and moderate waterings. Makes a fine show plant. 2-3 inch crests..... **35c**



#### MEXICAN LIVING ROCK

It is a thrill to see the lovely blossoms this singular plant produces among its horny tubercles. *Ariocarpus fissuratus* could hardly look less like a living thing. The tough, horny skin is brown through which the underlying green shows faintly. It will generally flower for you the first year. Plant in rocky sand and little water. Large flowering, 1½-2½ inch..... **50c**



#### WALLFLOWER CROWN CACTUS

The lovely *Rebutias* are small plants, flowering freely in early summer. The delicate flowers come from near the base and are very brilliant in coloring. This species has bright wallflower red flowers. Likes a sunny window and moderate watering. 1-1½ inch flower ..... **35c**

#### INDIAN HEAD

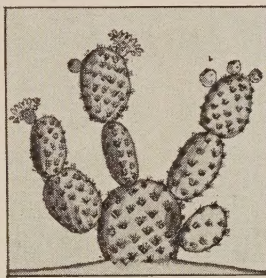
*Notocactus Ottonis*

A pleasing, free flowering plant recommended for its long blooming season, which extends over much of late spring and summer. A small plant rarely 4 inches in height. Grows easily under all conditions. Large flowering, 50c, 35c and..... **25c**



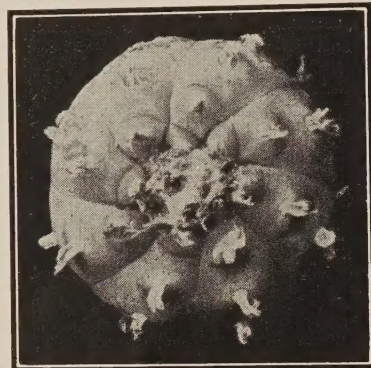
#### CRESTED BOXING GLOVE

A curious crested cactus assuming odd shapes. Collectors are always on the lookout for crested plants and *Opuntia mamillata cristata* is a good one. It is slow to propagate and we have only a limited number. 2-3 inch..... **40c**



#### ANGORA BUNNY EARS

A very pretty, small eared cactus spotted with many clusters of white glochids. Light soil, moderate waterings. Eared..... **23c**



#### SACRED MUSHROOM

A Living Rock from Mexico, smooth bright blue and spineless. For centuries our Indians have used *Lophophora Williamsii* in religious rituals as a narcotic producing an illusion of colors. Attractive, liking sandy soil, moderate watering. Mature imported plants, 1½-2½ inch..... **50c**

#### CACTUS SEED

Cacti are very interesting to grow from seed. Our **De Luxe Mixture** contains nearly 100 different cacti. Generous amount with full instructions on planting and care. Per packet ..... **\$1.00**

#### REBUTIA

##### CROWN CACTI

These brilliantly flowered small cacti bloom with the greatest profusion during spring and summer. The buds spring from the soil line and at times, when bursting into bloom, almost smother the tiny plants. The plants are small, seldom exceeding 1½ inches in diameter, and bear harmless spines. They are native to the mountains of Argentina, Bolivia and Peru. We have a fine collection and others will be offered from time to time.

**CULTURE.** Being very tolerant, they thrive to perfection as pot plants, blooming regularly. We have found they enjoy a sandy loam and, if you have it, some leafmold. Always keep them moist. They will do well in partial sun or in full sun.

**Rebutia Kupperiana.** A very pretty plant, the body almost chocolate brown, the younger spines yellow at the base, darker above. The flowers are dark orange-red. Each..... **35c**

**REBUTIA MINUSCULA.** A charming small, tender green plant forming clusters. The flowers appear in quantity, are very bright red and are produced for some weeks. One of the choicest flowering of small cacti. Each..... **50c**

**Rebutia pseudodominata.** A charming species with dark wallflower red blossoms..... **50c**

**Rebutia Spegazziniana.** Clustering. Very dark red flowers ..... **50c**

**REBUTIA VIOLACIFLORA.** One of the most brilliant flowered of all with large, deep violet-pink blossoms! Pretty, deep green plant clustering freely and blooming abundantly. Large flowering clusters, each **\$1.00**. Nice vigorous young 1-1½ inch plants, each..... **35c**

#### ORANGE COB CACTUS

The vivid orange blossoms of the fine *Lobivia fama-tamensis* are a startlingly beautiful sight. Petals like crepe de chine in all shades of orange. Free flowering, full sun, moderate waterings. Flowering size, 2-inch 75c. Smaller, 1½-inch, 50c. Nice clean, 1-inch..... **35c**







### VIOLET EASTER LILY CACTUS

*Echinopsis leucantha*

All the Easter Lily Cacti are pretty and this is one of the best. The large blossoms are almost white, tinged with violet. *Echinopsis leucantha* likes a light loamy soil and moderate waterings, sun or semi-shade. Large flowering, 4-year-old, 3-inch, 75c. Fine 1½-2 inch, 35c. Pretty spined 1-1¼ inch..... **23c**



### DAM'S CHIN CACTUS

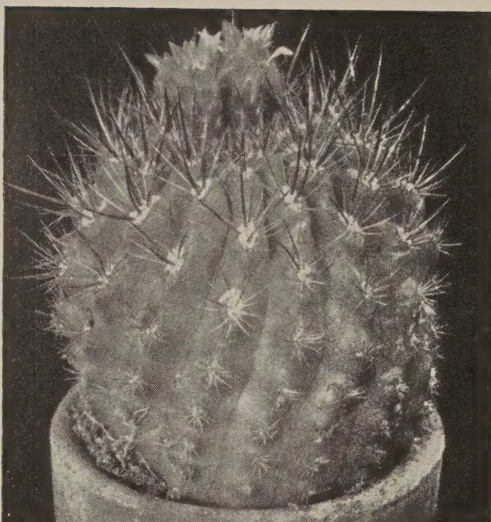
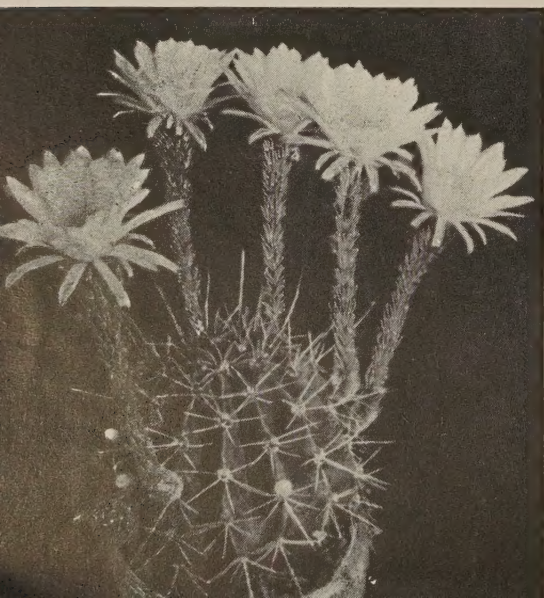
*Gymnocalycium Damsii*

If you want lovely blossoms do not fail to have this fine plant. The easiest to flower! Bloom all summer! Pink and white flowers. Large 4-year-old, 3-in., \$1.00. Large flowering, 35c. Small flowering..... **23c**

### ANGEL TRUMPETS

*Echinopsis spiniflora*

Bright lemon-green plants with large snowy flowers, red fruits. Generous treatment and semi-shade. A fine bright cactus. *Echinopsis spiniflora* 4-year flowering specimens, \$1.00. Smaller, 50c and..... **35c**



### CHILENIA HETERACANTHA

A scarce and charming spiny cactus bearing numerous bright pink blossoms in fall and winter. Flowers when small. Vivid when in flower. With age spines are long and flexible. Grows easily in light sandy loam with moderate waterings. Likes a light position. Large flowering, 75c. Smaller, 50c and..... **40c**

## CHILENIA

A very handsome genus with bright pink to deep cerise flowers. They bear an extraordinary number of flowers and come into flower when comparatively small. They are very spiny, cylindrical plants with low, tubercled ribs bearing from 1 to 3 flowers at each areole. They are native to Chile. **Much recommended.**

**Culture.** They like a sunny position and a rich light loam soil with moderate waterings when growing. Less in winter when resting. Some are in bloom with us almost the year around.

**CHILENIA ACCUTISSIMA.** An attractive vigorous plant reaching a foot in height. Spines straight, brown and stiff. Flowers large for genus, light pink produced near top. A fine specimen plant. From the dry hills near Valparaiso, Chile. Quite scarce. Nice plants, 4-year-old, 4-5 inches, \$1.00. Smaller, 50c and..... **25c**

**Chilenia heteracantha.** See photo above.

**CHILENIA SUBGIBBOSA.** A grand species with large, bright pink blossoms. Large specimens when in bloom are a fine sight! Grows freely and easily. Give loamy soil with moderate waterings. Fine 3-year-old specimens, 3-4 in., 75c. Fine 1-1½ inch plants ..... **35c**

## BRAIN CACTUS

*STENOCACTUS*

A large group of splendid cacti native to Mexico. They are very distinct, bearing a great number of very thin ribs up to 100. The ribs are quite thin and generally waved. Some are few spined, others heavily spined, many kinds have ribbon-like spines. Flowers apical with spreading petals purple, pink, white or yellow, often with a dark stripe down the middle. Quite attractive.

**Culture.** Grow readily in a quite sandy loam with moderate watering when dry. They like a sunny spot.

**Stenocactus hastatus.** About 35 wavy ribs. Areoles distant, spines brown, quite long. Flowers largest in genus, white. A handsome plant. Our plants are imported mature flowering plants. 2½-3 inches. Fine. Each..... **\$1.00**

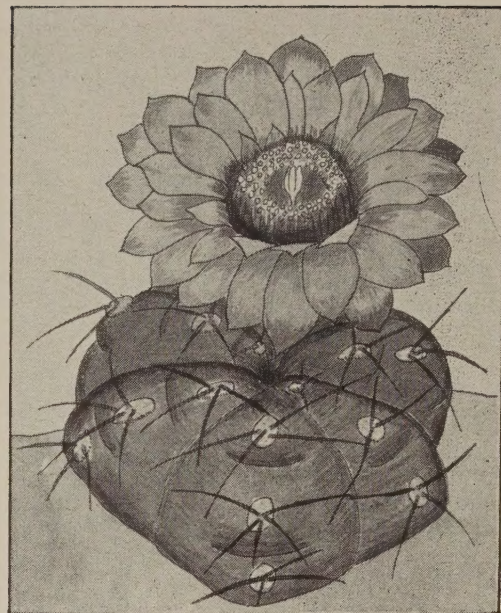
**Stenocactus Vaupelianus.** Very handsome white-spined variety with almost white-haired effect. Splendid mature imported, show specimens. Each ..... **\$1.25**

## CACTUS INSECTICIDES

Our special instruction sheet describing common cactus pests and treatment, with spray formulas, sent with each bottle of spray.

**Red Arrow Spray.** Recommended for all insects. Non-injurious to cacti or other house or garden plants. Spray and instruction sheet..... **40c**

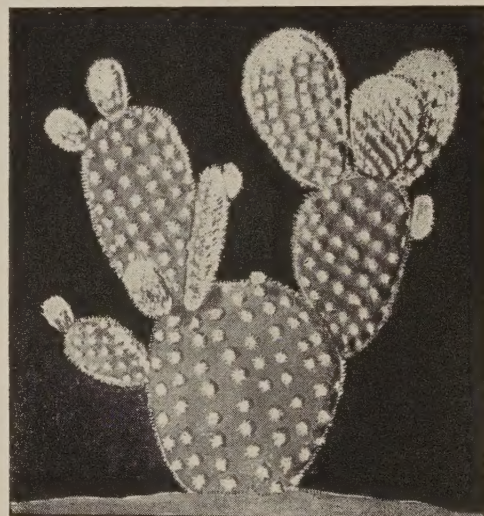
**Volck.** An oil spray for mealy bug and all scale insects. This is an extremely effective insecticide, particularly when mixed with Red Arrow. Full instructions. Per bottle..... **50c**



### ROSE CHIN CACTUS

*Gymnocalycium Urselianum*

A lovely tender rose colored, large flowered Chin Cactus. Sturdy, vigorous growing, it may reach 3 inches in diameter and produce several of its handsome blossoms, which last for several days. Always attracts attention. Moderate watering with sun or semi-sun. Fine 2-inch plants should bloom this year, 75c. Nice plants..... **35c**



### ANGEL WINGS

*Opuntia microdasys alata*

One of the loveliest of new introductions, this dainty little plant is covered with cottony white glochids. Completely spineless, it does not stick! It branches freely and remains dwarf, the pure white cushions showing brightly against the dark green stems. Very easy to grow. Each..... **25c**

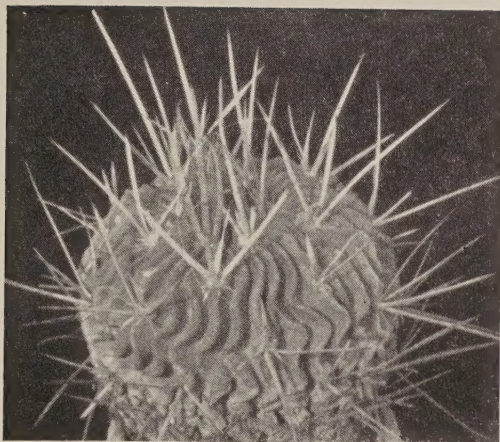
### EAGLE CLAWS

*Echinocactus horizonthalonius*

An old favorite bearing handsome purple flowers in summer. The blossoms arise from the woolly crown. The curved spines are quite stout, the plant body blue. A native of western Texas. Enjoys a light sandy soil and full sunlight. Nice plants for flowering.... **25c**







## BRAIN CACTUS

*Stenocactus multicostatus*

The Brain Cactus is a very curious plant bearing a great many thin wavy ribs, sometimes up to 100. The plants are very distinctive with their flat, flexible spines which, toward the center, are straight, closing in to protect the crown which is filled with wool. The pretty flowers are borne in spring or summer near the top of the plant and are striped. Grows easily, likes sandy loam, sunny location, 1½-in., 35c. 1-in. .... **25c**



## ROSE PLAID CACTUS

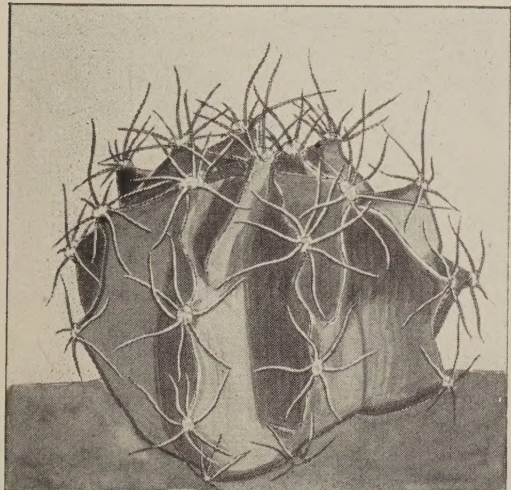
*Gymnocalycium Friederichii* (Natural Size)

Certainly the loveliest of all Chin Cacti, with large, pure rose blossoms. The bright body stripes makes it outstanding. Blooms when small very freely and over a very long period. This is a new plant we are just offering. Same treatment as Plaid Cactus. Flowering size, 75c and ..... **35c**

## MELON CACTUS

*Ferocactus electracanthus*

A fine, quick growing Barrel Cactus from Mexico. The yellow and red spines are strongly curved. Very easily grown and one of the most popular of this fine group. Mature plants reach over a foot in diameter. Flowers yellow. Beautiful 2-inch specimens, 35c; smaller, each. .... **25c**



# GYMNOCALYCIUM

## CHIN CACTI

For those who enjoy cactus flowers I recommend the Chin Cacti, for they are amongst the surest and easiest to flower of all. Many of them flower almost all spring and summer. They are native to South America, where they are found in the foothills and mountains. The lovely flowers are in shades of white, pink, red and yellow, and sometimes almost smother the plant. They are mostly small plants, seldom exceeding an orange in size. Many bloom when scarcely an inch in diameter.

**Culture.** They are of the simplest culture, liking a sandy loam soil with occasional feedings with Cactus Food. Moderate waterings and semi-shade suit them well.

**Gymnocalycium Anisitsii.** 75c and ..... **50c**  
**Gymnocalycium Baldianum.** Pretty pink and white flowers. A very pretty species. Nice. Each ..... **35c**  
**Gymnocalycium Bodenbenderianum.** Free flowering species ..... **25c**

**GYMNOCALYCIUM BRUCHII.** A lovely pink flowered variety. A small branched plant with white spines. Very fine. 50c and ..... **35c**

**GYMNOCALYCIUM DE LAETII.** A large species with white flowers. You will like this one. Large flowering, 3-inch, 75c. Smaller, 2-inch, 50c. Nice ..... **35c**

**Gymnocalycium gibbosum.** Large plant with large white flowers. Heavy spines below ridges. Each ..... **35c**  
**Gymnocalycium Leeanum.** Pretty small plant. Yellow flowers. Large ..... **50c**

**Gymnocalycium leptanthum.** A handsome large flowered species with tender rosy white flowers. Nice. 50c  
**Gymnocalycium loricatum.** A species long known but very rare. Pink flowers. Fine. 1-1½ inch. .... **50c**

**GYMNOCALYCIUM MONVILLEI.** Beautiful yellow spined species. Flowers pink. Splendid plants. 1½-2 inches ..... **35c**

**Gymnocalycium multiflorum.** Large white flowers. 50c and ..... **35c**  
**Gymnocalycium occultum.** Rare. Nice 1-1½ in. .... **35c**  
**Gymnocalycium Pflanzii.** Rare species seldom seen. Large ..... **50c**

**Gymnocalycium saglionis.** A giant species to 10 inches in diameter. Pretty pink flower 2½-3 in. .... **\$1.00**  
**GYMNOCALYCIUM VENTURIANUM.** Bright scarlet flowers. 50c and ..... **35c**

**VARIETY ROSEUM.** Rose flowers. Splendid ..... **35c**



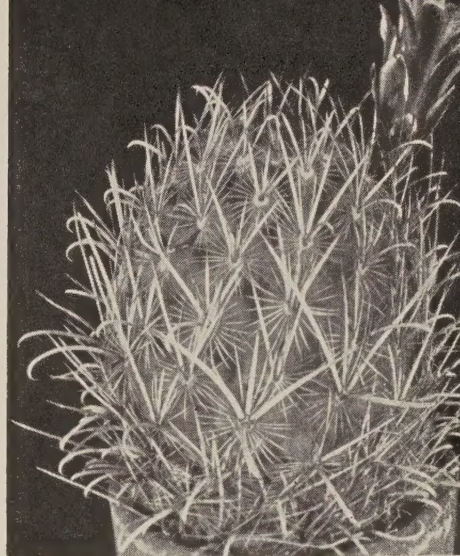
## LOBIVIA NEALEANA

Quite large bright red blossoms produced in early summer. A cluster forming species branching freely. Give it a sandy soil, moderate waterings and applications of Cactus Food. Full sun or semi-shade. Large plants, \$1.00. Nice, 50c and ..... **35c**

## LOBIVIA

Small cluster forming cacti native to the high mountains of South America. Brilliant flowers red, pink and yellow. Enjoy sandy soil, moderate watering, full sun.

**Lobivia Allegriana.** Pink flowers ..... **50c**  
**Lobivia Backebergii.** Rose red flowers ..... **35c**  
**Lobivia Binghamiana.** Red flowers ..... **50c**  
**LOBIVIA CHRYSANTHA.** Handsome golden flowers ..... **35c**  
**Lobivia cinnabarina.** Handsome \$1, also ..... **50c**  
**Lobivia corbula.** Red tinged blue flowers. .... **75c**  
**LOBIVIA CYLINDRICA.** Golden yellow. .... **50c**  
 and ..... **35c**  
**Lobivia densispina.** Yellow flowers. Hand-some ..... **40c**  
**Lobivia Ducis Pauli.** Large ..... **75c**  
**Lobivia jajoiana.** Wine red flowers ..... **35c**  
**Lobivia jaj.** Fleischiana. Red flowers ..... **50c**  
**Lobivia Johnsoniana.** Handsome pink flowers. Named for me ..... **75c**  
**Lobivia Hermanniana.** Violet Rose ..... **35c**  
**Lobivia Hertrichiana.** Vivid red ..... **50c**  
**Lobivia mistiense.** Rose wood colored ..... **75c**  
**Lobivia potosina.** Large species ..... **50c**  
**Lobivia rebutioides.** Fine yellow flowers. 4 inches ..... **50c**  
**Lobivia Wegheiana.** Pink flowers ..... **75c**



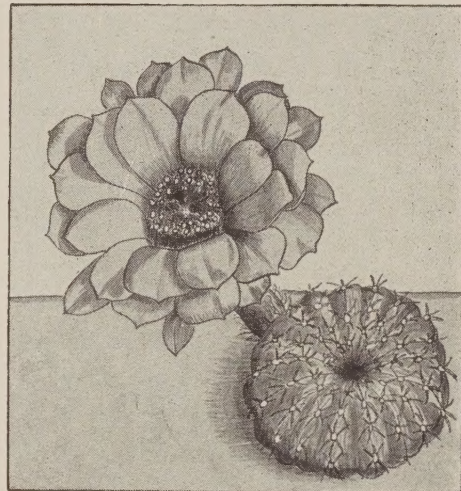
## WAIT-A-BIT CACTUS

Our plants of *Ancistrocactus Scheeri* are all mature flowering plants and as nice a lot as we have had. The flowers are produced in the spring. Easily grown. Sandy soil, moderate watering and a sunny position. 2-4 inch. Mature flowering ..... **35c**

## PINE CONE CACTUS

*Encephalocarpus strobiliformis*

A very rare and curious plant with triangular, strongly incurved nipples. Related to the Mexican Living Rock. Plant silvery green, hard and parchment like. Flowers handsome, large, violet ..... **\$1.50**  
 rose. Imported specimens



## SNOW CUPS

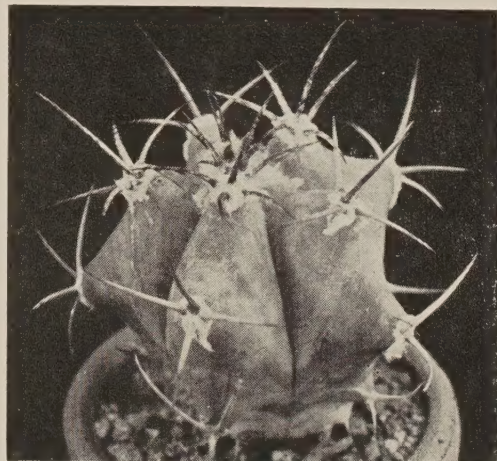
*Echinopsis Kratochviliana* (Half Natural Size)

Dainty white ruffled blossoms borne in abundance. A charming variety from the high mountains of Argentina. Likes a light loam soil and plenty of water in summer, moderate waterings in winter. Semi-shade. Blooms in May and June. Large 4-year, 3-inch specimens, \$1.00. Smaller, 35c and ..... **25c**

## TOOTHPICK CACTUS

*Ferocactus visnaga*

The spines are used in Mexico for toothpicks. Very pretty as a small plant, the body blue-grey and the crown often being filled with wool. In the wilds the plant grows to a large size and reaches a great age. Nice plants ..... **25c**

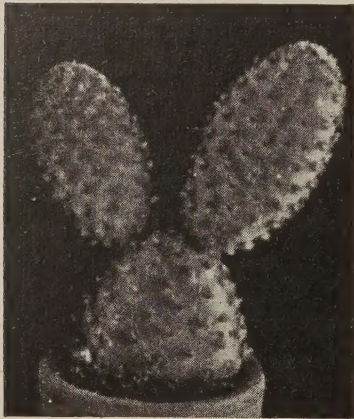




# Opuntias

## OR PRICKLY PEARS

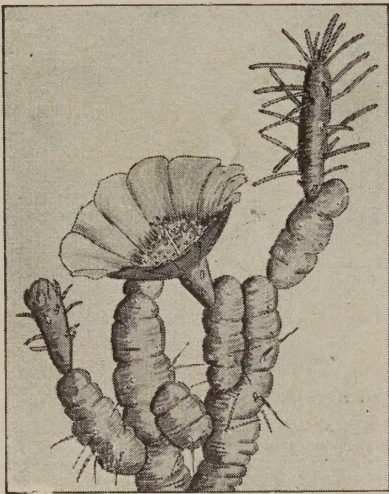
THESE most interesting cacti are found throughout North and South America from Canada to the Straits of Magellan. There are literally hundreds of kinds, some like our flat-leaved Prickly Pears, others shrubby cylindrical stemmed ones similar to those covering the mesas of Arizona. In the tropics they grow into trees and the fruits of some are staple in the markets of the sub-tropics throughout the world. Some are tiny dwarfs, others are woolly like the Old Man Cacti, some bear true leaves, some are spineless and some have the most wicked spines sheathed in paper caps. There are many genera, some differing widely from the general concept of Opuntia. South America has the most singular genera, such as Tacinga and Maihuenia.



**BUNNY EARS**

An old favorite, the pads dotted with areoles filled with golden glochids. Our plants are dwarf with small ears or branches, and remain just right for house culture. Grows very easily in sandy soil. Each.....

**20c**



**OPUNTIA VERSCHAFFELTII**

An elegant and pretty variety found in the highlands of Bolivia. The young stems bear fleshy leaves, which soon fall away. Flowers dark red. Rare. Each.....

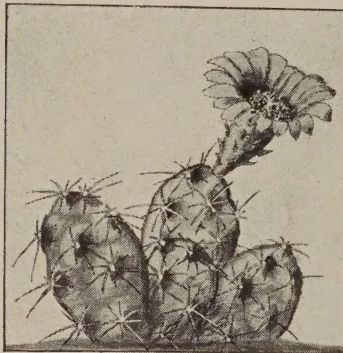
**35c**



**DEVILS CANE**

Handsome dark green stems prettily-ribbed in spirals. Opuntia cylindrica grows very quickly, soon making a fine specimen.....

**23c**



**OPUNTIA MOELLERI**

A new variety with egg shaped, nipped stems. Young plants form around the mother to make a cluster, sometimes three joints high. The pretty flowers are red. Grows readily in sandy soil with very moderate watering. Each.....

**35c**

**OPUNTIA SANTA RITA.** Handsome round almost spineless blue "leaves." Large yellow blossoms with red eye. Fine.....

**25c**

**OPUNTIA SUBULATA.** Fine tree species to 8 ft. Grows quickly into nice specimens.....

**25c**

**Burbank's Spineless Cactus.** The large fruits are very good to eat. Sweet pulp, red in color. Orange when ripe. Pads to 12 in. long. Small.....

**50c**

**Opuntia basilaris alba.** Very distinct variety with pale green spineless stems. Flowers white. Should be hardy.....

**35c**

**OPUNTIA POLYACANTHA.** I collected this species in Jackson Hole, Wyoming. Perfectly hardy small species.....

**25c**

At Left

**OLD MAN OPUNTIA**

White haired woolly stems like the Old Man Cactus. A rare and handsome plant. From Bolivia. Opuntia vestita grows easily in sun or shade. Moderate waterings. Nice.....

**25c**

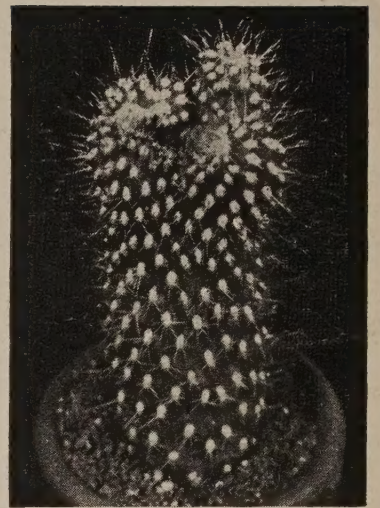


**LEMON VINE**

*Pereskia aculeata*

A true cactus with waxy, lemon scented, white blossoms and large, shining green leaves! Pereskia grows as a vine and is the best stock to graft Christmas Cactus on. Sandy soil and plenty of water. Each.....

**30c**

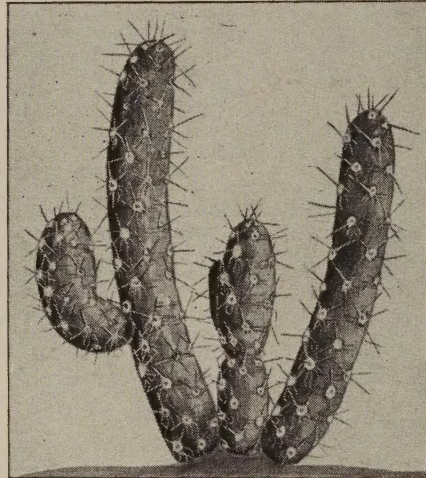


**BOXING GLOVE**

*Opuntia mammillata*

A very popular variety with reddish spines when young. As the plant grows the top opens into a crest which gives it its name. Grows easily and always pretty.....

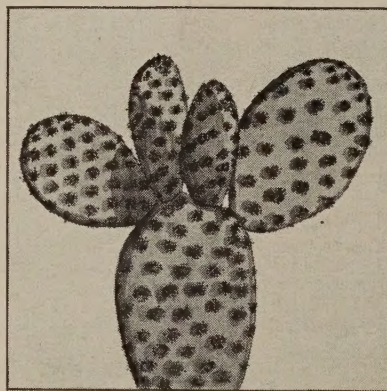
**22c**



**OPUNTIA TERES**

A very rare species with deep garnet-red blossoms, the round stems bearing fat leaves which fall away as they mature. Grows readily in a sandy loam soil with moderate water. Each.....

**25c**



**CINNAMON CACTUS**

Pretty cinnamon red variety of the Bunny Ear group. Opuntia rufoa well eared.....

**25c**

**QUIABENTIA CHACOENSIS**

A rare Opuntiad from Brazil. Grows into a round stemmed tree. Flowers wheel shaped red. Each.....

**50c**

**CONSOLEA**

Pretty flat pads, becoming round jointed, growing into leafy trees.

**Consolea falcata.** Very tree like when large. Each.....

**35c**

**Consolea rubescens.** Pads rich bronze red. Fine ornamental species. Pads very long.....

**25c**

**Consolea spinosissima.** Very spiny.....

**35c**

**MAIHUENIA POEPPIGII**

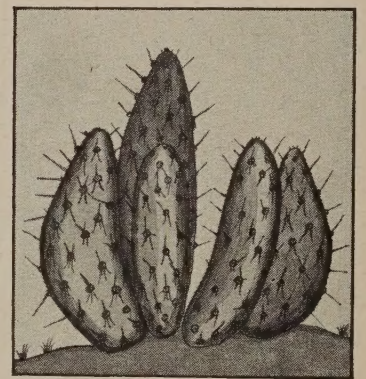
An extremely rare Opuntiad from Chile. The plant bears true leaves forming much branched, small clusters. Leaves persistent subulate. Flowers clear yellow.....

**75c**

**PTEROCACTUS**

Rare genus. *P. Fischeri* is a very small tuberous rooted species.....

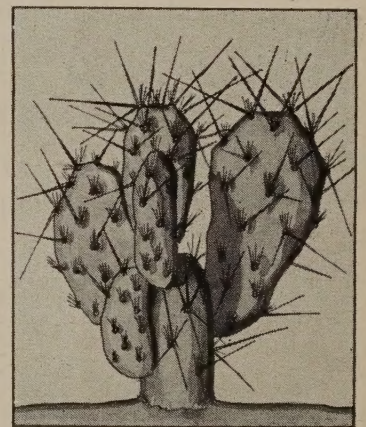
**50c**



**DOMINOES**

One of the prettiest Opuntia erectoclada is a quite dwarf species you will surely want in your collection. Nice branched plants.....

**25c**



**FAIRY NEEDLES**

A pretty pale yellow-green dwarf species, the older pads with long, slim yellow spines. Opuntia Soehrensii grows easily. From Bolivia.....

**25c**



**THIMBLE TUNA**

A pretty dwarf species forming most interesting little clumps. Tephrocactus sphaericus. From Arequipa, Peru. Nice.....

**25c**